JAMECO ELECTRONICS

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CATALOG 122 MAY 2012

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JAMECO® ELECTRONICS

Catalog 122
May 2012

Excellence in Efficiency

PARALLAX BASIC Stamp Activity Kit

Learn the basics of electronics and programming while building over 40 projects at the same time! Step-by-step directions provide all the information needed to go from beginner to expert in no time.

Includes: HomeWork board with a built-in BASIC Stamp 2 microcontroller, What's a Microcontroller? book with 40 hands-on activities, electronic components for building circuits, USB-to-serial adapter & cable

More Parallax Kits on pages 173 & 174

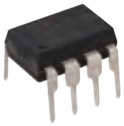
Part No.	Mfr. Part No.	No. of Pieces	1	5
2109202	90005ℛ	48	$49.95	$44.95

CSS Programmable 555 Timers and Demo Kit

These micro-power versions of the popular 555 timer IC are ideal for battery-operated applications and provide excellent stability over a wide temperature range. Best of all, they include a six decade programmable counter to allow generations of long timing delays.

NEW MARKED IN PINK

- **2146450/2146441:** Have an internal precision timing capacitor
- **2146468:** Includes 8 total ICs (2 of each type), USB cable, CSS555C-DMK custom PCB for programming, SOIC to DIP adaptor, Quickstart guide, CD software


DIP-8

SOIC-8

2146468 (Demo Kit)

More 555 Timers on page 6

Part No.	Mfr. Part No.	Package	1	5
2146433	CSS555-ID	DIP-8	$1.95	$1.75
2146450	CSS555C-ID	DIP-8	2.35	2.09
2146425	CSS555-IS	SOIC-8	1.69	1.55
2146441	CSS555C-IS	SOIC-8	2.09	1.89
2146468	CSS555-DMK	Demo Kit	74.95	69.95

XYTRONIC 150-Watt Digital ESD-Safe Lead-Free Soldering Station

NEW MARKED IN PINK

- PTC sensor heating element for super fast heat-up
- Aluminum alloy, EMI protected housing
- Heater/sensor failure detection, energy saving function
- Temperature ranges: 100˚C to 480˚C (212˚F to 896˚F)
- Heat-up time: 0-300°C ≤30 seconds
- ESD-safe zero-voltage switching protects against spike damage • Size: 4.4"W x 6.2"H x 5.4"D

Includes: AC cord, iron stand, brass tip cleaner

See pages 147-151 for Soldering Products

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
2146046	LF-3500ℛ	7.0	$199.95	$184.95

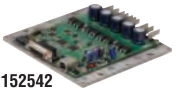
RoboteQ Single & Dual-Channel Forward/ Reverse DC Brushed Motor Controllers

- Multiple command modes: RS-232, 0-5V analog, or pulse (RC radio)
- Built-in temperature sensors
- Programmable motor acceleration
- Short-circuit, over/undervoltage, overtemperature protection
- Built-in Basic Language programming support

2152462

2152551

2152593


2152542

See pages 94 & 95 for Motor Controllers

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	1	5
2152462	SDC2130S	1x40A @ 30V, with USB mode	$174.95	$164.95
2152542	MDC2250	2x60A @ 50V, with USB and encoder inputs	374.95	349.95
2152551	AX2550	2x120A @ 40V, no basic programming	495.95	469.95
2152593	HDC2450	2x150A @ 50V, with USB and encoder inputs	649.95	599.95
2152681	VDC2450	2x150A @ 50V	549.95	499.95

Seasonic LED Moving Sign Power Supplies

These durable power supplies can handle big loads in different environments. Built-in fan speed control and forced air cooling by a ball bearing fan keep these durable supplies lasting much longer than the competitors.

- Input: 90-264VAC @ 47-63Hz • Active PFC function
- Short-circuit, over-voltage, over-temperature protection
- High efficiency: ≥82% average
- Life expectancy: min. 120,000 hrs at full load, 25°C
- Double forward layout design
- Size: 8.5"L x 4.5"W x 2.0"H

NEW MARKED IN PINK

For LED Power Supplies, see page 124

Part No.	Mfr. Part No.	Output Voltage @ Current	Power	1	5	25
2146126	SS-200MF-5	+5V @ 0-40A	200W	$62.95	$58.95	$54.95
2146134	SS-300MS-5	+5V @ 0-60A	300W	69.95	64.95	59.95

Seasonic Single-Output Table-Top Power Supplies

More Table-Top Power Supplies on pgs 108-110

- Input: 90-264VAC @ 47-63Hz
- Output conn.: 2.5mm x 5.5mm female center positive • Blue LED indicator
- High efficiency: ≥87% average
- Short-circuit, over-voltage, over-current, over-temperature protection
- DC cord length: 3.3 ft.
- AC cord not included (recommend P/N 38050, pg 116)
- Agency approvals: CUL/TUV/CB/CE/CEC

NEW MARKED IN PINK

2146185

Part No.	Mfr. Part No.	Output	Power	Size (L" x W" x H")	1	10	50
2146185	SSA-0901-12	+12V/6.67A	80W	5.4 x 2.2 x 1.3	$41.95	$38.95	$36.95
2146151	SSA-0401D-12	+12V/3.4A	40W	4.5 x 1.9 x 1.4	20.95	18.95	16.95

DFROBOT DAGU Robotic Add-Ons and Accessories

See pages 169-173 for more Robotic Products

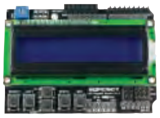
Every robot needs a variety of cool features to make it stand out from the rest. With these new accessories, you can add as many features as you wish while keeping a style all on your own.

NEW MARKED IN PINK

2124285

2144518

2150555


2144411

2144454

2150441

Part No.	Mfr. Part No.	Manufacturer	Description	1	5
2124285	ROB0003ℛ	DFRobot	4WD aluminum Arduino-compatible mobile platform with 4 high-quality micro-speed motors and 4 wheels. Complete 2-level chassis with mounting hardware and many mounting holes for additional add-ons	$69.95	$64.95
2144518	FIT0045	DFRobot	Aluminum pan and tilt assembly for horizontal surface mount. Motor torque: 5.5kg-cm @ 6V. Includes 2 DF05 ball bearing servo motors, 2 aluminum brackets, 1 bearing cup, and a high-quality set of screws	35.95	33.95
2150555	RS015	Dagu	"Magician" dual 0.8A robot controller. ATMega8 processor preloaded with Arduino bootloader, USB interface and ISP socket for easy programming, rated at 800mA for each motor, 8x3-pin servo-compatible outputs	28.95	26.95
2144411	DFR0009	DFRobot	16 character x 2 line LCD shield for Arduino, can be directly plugged onto the Arduino board. Blue backlight with white lettering, uses the Arduino LCD4Bit library. No soldering required	17.95	16.95
2144454	DFR0017	DFRobot	Arduino-compatible digital relay module. Digital I/O port and TTL level logic control. Current ratings: 10A (NO), 5A (NC), maximum switching voltage: 150VAC, 24VDC. Includes digital sensor cable	9.95	8.95
2150441	RS002A	Dagu	Pre-assembled compound infrared sensor. Includes 4 pairs of IR phototransistors, 4 IR LEDs, instructions and schematic diagram. Can be used with pan/tilt assembly (P/N 2144518) to track movement within 200 meters	8.95	7.95

Excellence in Efficiency

Santa Clara University was founded in 1851 and sits in the heart of the Silicon Valley. This was California's first university and today, its University Library is home to documents dating back to 1771. As the cover photo shows, it uses some of the most sophisticated technology to automatically store and retrieve items in its collection.

Users access a library computer terminal to request books and without human intervention, the robot-assisted system automatically locates and retrieves the item. The system stores about 800,000 library items and uses about one-seventh of the space that would be required using a traditional shelving configuration. In addition, the metal bins that house the library's reference materials provide the documents with an added level of environmental protection.

Jameco's warehouse is far less automated but equally efficient. While Jameco sells lots of robotic components, it may surprise some to learn that we rely on human beings to carefully assemble every order. Jameco's team doesn't just pull, pack and ship, but they also provide an added quality control step that attempts to head off problems before they leave the facility.

Our warehouse manager, George Rossi, and his team are consistently improving our warehouse capabilities while maintaining incredibly low error rates. His team strives to ship 100% of all orders the same day (as long as they are received by 6 pm Eastern time). We're extremely proud of our warehouse team and the job they do to make sure that what you order is delivered accurately and in a timely fashion.

Jameco Warehouse Manager George Rossi

Forrest M. Mims III will stump you with his latest puzzler... see page 68 | Build your own Arduino Circuit, see page 170

The Jameco Difference

Customer Service

We work hard to provide the best customer service in the industry. Our management team's first priority is listening and responding to customer feedback. You can email the management team directly at Management@Jameco.com with your feedback.

Expanded Shipping Options

Jameco's new US Postal Service options reduce costs for lightweight packages. No more guessing about freight charges. We'll tell you up front exactly what your package will cost. We've also reduced costs for international shipments.

Selection

If you want great service, low prices and a reliable supplier of low-cost electronic components, give Jameco a try. We carry house brands, factory over-runs and is franchised with over 175 name brands. Look for our spec-by-spec, feature-by-feature comparison-shopping. Jameco has long standing relationships with manufacturers around the world and we work hard to source a wide selection of value components. You'll find a great selection, low prices and that what you need is in stock over 99% of the time.

Catalog Tools

With three levels of pricing, Jameco provides brand flexibility like no other distributor in the industry. Found the perfect part in the catalog? Jump online with the Web Code for seamless catalog and website integration.

Search by webcode

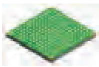
CATALOG QUICK INDEX

Prices are effective 5-7-2012.
Prices and discounts are subject to change without notice.

Semiconductor Index

IC Index

Package Illustrations for Pages 3 through 20

BGA


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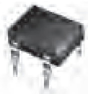

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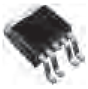

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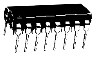

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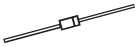

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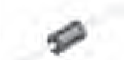

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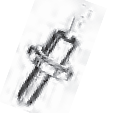

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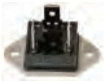

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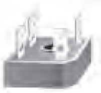

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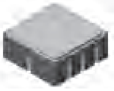

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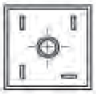

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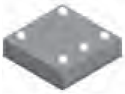

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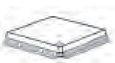

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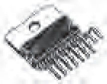

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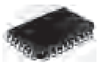

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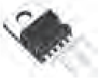

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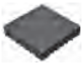

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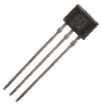

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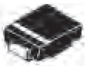

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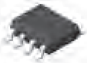

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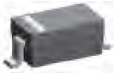

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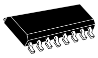

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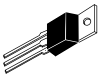

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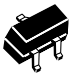

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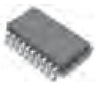

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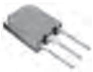

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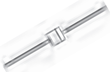

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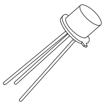

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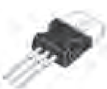

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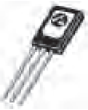

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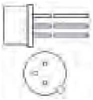

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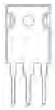

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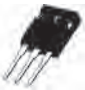

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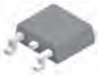

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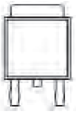

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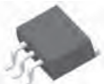

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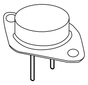

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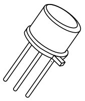

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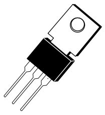

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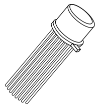

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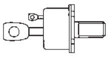

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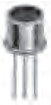

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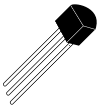

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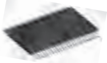

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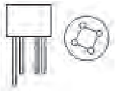


Please refer to data sheets at www.Jameco.com for more detailed illustrations and specifications

For Package Illustrations See Page 2

7400, 74ABT/AC/ACT/AHC/ALS, 74C, 74F & 74HC Series

7400 Series

★Web Code: XAG

✳ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10	100
48979	✦	7400N**	DIP-14	Quad 2-input pos. NAND gate	**$1.29**	**$1.15**	**$.95**
910901	TI	SN7400Nℛ	DIP-14	Quad 2-input pos. NAND gate	**1.45**	**1.19**	**1.05**
49007	✦	7401N	DIP-14	Quad 2-input NAND gate (O.C.)	**.99**	**.89**	**.79**
49015	✦	7402N*	DIP-14	Quad 2-input pos. NOR gate	**1.75**	**1.55**	**1.35**
49040	✦	7404N**	DIP-14	Hex inverter	**1.49**	**1.35**	**1.09**
49074	✦	7405N*	DIP-14	Hex inverter (O.C.)	**.89**	**.79**	**.69**
49091	✦	7406N**	DIP-14	Hex inverter buffer/driver	**.95**	**.85**	**.65**
49120	✦	7407N**	DIP-14	Hex buffer/driver	**.95**	**.85**	**.65**
49146	✦	7408N*	DIP-14	Quad 2-input pos. AND gate	**2.25**	**2.05**	**1.85**
49189	✦	7410N*	DIP-14	Triple 3-input pos. NAND gate	**.99**	**.89**	**.79**
49402	✦	7413N	DIP-14	Dual 4-input pos. NAND gate	**1.25**	**1.15**	**1.05**
49437	✦	7414N*	DIP-14	Hex schmitt-trigger inverter	**.99**	**.89**	**.79**
49630	✦	7416N*	DIP-14	Hex inverter buffer/driver (O.C.)	**1.49**	**1.25**	**1.05**
49728	✦	7417N*	DIP-14	Hex buffer/driver (O.C. hi-volt.)	**1.29**	**1.15**	**.89**
50008	✦	7420N*	DIP-14	Dual 4-input NAND gate	**.99**	**.89**	**.75**
50139	✦	7427N*	DIP-14	Triple 3-input NOR gate	**.89**	**.79**	**.69**
50227	✦	7430N*	DIP-14	8-input NAND gate	**.99**	**.89**	**.79**
50235	✦	7432N*	DIP-14	Quad 2-input pos. OR gate	**1.75**	**1.55**	**1.35**
50315	✦	7438N*	DIP-14	Quad 2-input NAND buffer	**1.09**	**.99**	**.89**
50374	✦	7442N	DIP-16	4 line BCD to 10 line decimal decoder	**1.95**	**1.75**	**1.49**
50403	✦	7445N	DIP-16	BCD-to-decimal decoder/driver	**1.85**	**1.65**	**1.45**
50420	✦	7447N*	DIP-16	BCD-to-7 seg. decoder/driver	**2.49**	**2.25**	**1.95**
50534	✦	7473N	DIP-14	Dual J-K neg-edge-triggered flip-flop	**1.95**	**1.75**	**1.59**
50551	✦	7474N**	DIP-14	Dual D type flip-flop	**1.29**	**1.19**	**1.09**
50577	✦	7475N	DIP-16	4-bit bistable latch	**2.75**	**2.49**	**2.25**
50593	✦	7476N	DIP-16	Dual J-K pos-edge-triggered flip-flop	**2.95**	**2.65**	**2.39**
50631	✦	7483N	DIP-16	4-bit binary full adder	**2.95**	**2.75**	**2.49**
50657	✦	7485N*	DIP-16	4-bit magnitude comparator	**2.49**	**2.25**	**1.95**
50665	✦	7486N	DIP-14	Quad 2-input exclusive OR gate	**2.25**	**2.09**	**1.95**
50681	✦	7489N	DIP-16	64-bit read/write memory	**3.95**	**3.75**	**3.49**
50690	✦	7490N	DIP-14	Asynchronous decade counter	**2.95**	**2.65**	**2.39**
50745	✦	7493N	DIP-14	4-bit binary counter	**1.95**	**1.75**	**1.49**
50770	✦	7495N	DIP-14	4-bit parallel-access shift register	**1.95**	**1.75**	**1.49**
49234	✦	74107N*	DIP-14	Dual J-K flip-flop with clear	**.99**	**.89**	**.79**
49322	✦	74121N*	DIP-14	Monostable multivibrator	**2.75**	**2.39**	**1.95**
49357	✦	74123N*	DIP-16	Dual monostable multivibrator	**3.49**	**3.25**	**2.75**
49373	✦	74125N	DIP-14	Tri-state quad bus buffer	**.99**	**.89**	**.79**
49496	✦	74148N	DIP-16	8-to-3 line priority encoder	**1.19**	**1.09**	**.95**
49509	✦	74150N	DIP-24	1-of-16 data selector/multiplexer	**3.49**	**2.95**	**2.49**
49525	✦	74151N*	DIP-16	1-of-8 data selector/multiplexer	**.79**	**.69**	**.45**
49550	✦	74153N*	DIP-16	Dual 4-to-1 data selector/multiplexer	**.99**	**.89**	**.79**
49568	✦	74154N	DIP-24	4-to-16 line decoder/demultiplexer	**2.75**	**2.55**	**2.35**
49605	✦	74157N*	DIP-16	Quad 2-to-1 line data selector	**1.19**	**1.09**	**.95**
49648	✦	74160N*	DIP-16	Synchronous decade counter	**.79**	**.69**	**.59**
49664	✦	74161N	DIP-16	4-bit synchronous binary counter	**.89**	**.79**	**.69**
49672	✦	74163N	DIP-16	4-bit synchronous binary counter	**.89**	**.79**	**.69**
49681	✦	74164N	DIP-14	8-bit serial shift register	**.89**	**.79**	**.59**
49699	✦	74165N	DIP-16	8-bit serial shift register, parallel load	✳	**.19**	**.15**
49779	✦	74174N*	DIP-16	Hex D-type flip-flop with clear	**.89**	**.79**	**.69**
49795	✦	74175N*	DIP-16	Quad D-type flip-flop with clear	**1.35**	**1.25**	**1.15**
49832	✦	74180N	DIP-14	9-bit odd/even parity generatr/checker	✳	**.19**	**.15**
49883	✦	74189N	DIP-16	Tri-state 64-bit RAM	**2.95**	**2.75**	**2.49**
49904	✦	74191N	DIP-16	Synch. 4-bit up/down binary counter	**1.95**	**1.75**	**1.55**
49912	✦	74192N	DIP-16	Synch. 4-bit up/down decade counter	**3.95**	**3.75**	**3.49**
49939	✦	74193N	DIP-16	Synch. 4-bit up/down binary counter	**2.95**	**2.75**	**2.49**
49955	✦	74194N	DIP-16	4-bit bi-directional shift register	**1.95**	**1.75**	**1.49**
49963	✦	74195N	DIP-16	4-bit parallel-access shift register	**1.95**	**1.75**	**1.49**
50171	✦	74279N*	DIP-16	Quad set-reset latch	**1.49**	**1.25**	**1.05**

*10 pcs./ **20 pcs. in 7400 series IC cabinet kit, top right

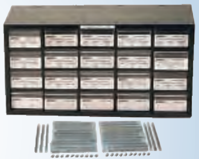
TTL Logic Data Book (1988)

Texas Instruments Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages)

Part No.	Description	Size (in.)	Wt. (lbs.)	1	5
88225	TTL Logic Data Book	6.0" x 8.5"	2.6	**$24.95**	**$22.95**

7400 Series IC Kit

★Web Code: CKS



SAVE $159

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 155 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7427, 7430, 7432, 7438, 7447, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	5
84953	350 pcs. 7400 IC kit	6.2	**$294.95**	**$269.95**

74ABT/AC/ACT/AHC/ALS Series

★Web Code: CBA

Please Note: Manufacturer may vary

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
264145	74AC10M	SOIC-14	Triple 3-input pos. NAND gate	✳	**$.07**	**$.05**
238887	74AC10N	DIP-14	Triple 3-input pos. NAND gate	✳	**.09**	**.07**
239054	74ACT174N	DIP-16	Hex D-type flip-flop with clear	✳	**.09**	**.07**
211895	74AC240N	DIP-20	Octal buffer/line driver	**.59**	**.49**	**.39**
211908	74AC244N	DIP-20	Tri-state octal buffer/line driver	✳	**.09**	**.07**
212054	74ACT244N	DIP-20	Tri-state octal buffer/line driver	✳	**.12**	**.09**
214199	74AHC245N	DIP-20	Tri-state octal bus transceiver	✳	**.09**	**.07**
214236	74AHC574N	DIP-20	Tri-state octal D-type flip-flop	✳	**.12**	**.09**
291400	74ABT5402AD	SOIC-28	Tri-state 12-bit line/memory driver	**1.49**	**1.25**	**.95**
245294	74ALS00AN	DIP-14	Quad 2-input pos. NAND gate	✳	**.19**	**.15**

★*74ALS/ALVC Series Online — Enter Web Code SVC*

74C Series

Please Note: Manufacturer may vary

★Web Code: RAG

Part No.	Product No.	Pkg.	Description	1	10	100
44222	74C00N	DIP-14	Quad 2-input pos. NAND gate	**$2.19**	**$1.95**	**$1.75**
44257	74C14N	DIP-14	Hex schmitt-trig. inverter (CD40106)	**1.95**	**1.75**	**1.49**
44361	74C221N	DIP-16	Dual monostable multivibrator	**4.95**	**4.49**	**3.95**
44409	74C374N	DIP-20	Octal D-type flip-flop	**2.25**	**1.95**	**1.75**
44521	74C912N	DIP-28	6-digit BCD display controller/driver	**3.95**	**3.49**	**3.25**
44564	74C922N	DIP-18	16-key keyboard encoder	**8.95**	**7.95**	**7.25**
44572	74C923N	DIP-20	20-key keyboard encoder	**7.95**	**6.95**	**6.25**
44599	74C926N	DIP-18	4-digit counter w/ 7-seg. output driver	**12.95**	**11.95**	**10.95**

74F Series

Please Note: Manufacturer may vary

★Web Code: CEN

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
286993	74F02N	DIP-14	Quad 2-input pos. NOR gate	✳	**$.19**	**$.15**
287005	74F04N	DIP-14	Hex inverter	**.35**	**.29**	**.25**
287013	74F08N	DIP-14	Quad 2-input pos. AND gate	**.45**	**.39**	**.35**
44652	74F10N	DIP-14	Triple 3-input pos. NAND gate	✳	**.07**	**.05**
287021	74F14N	DIP-14	Hex schmitt trigger inverter	**.29**	**.25**	**.19**
287048	74F32N	DIP-14	Quad 2-input pos. OR gate	**.45**	**.39**	**.35**
287620	74F74D	SOIC-14	Dual D-type flip-flop	✳	**.07**	**.05**
287056	74F74N	DIP-14	Dual D-type flip-flop	**.39**	**.35**	**.29**
287611	74F86D	SOIC-14	Quad 2-input exclusive OR gate	✳	**.05**	**.03**
287064	74F86N	DIP-14	Quad 2-input exclusive OR gate	**.35**	**.29**	**.25**
245171	74F157AN	DIP-16	Quad 2-to-1 line data selector	✳	**.05**	**.03**
287540	74F244D	SOIC-20	Tri-state octal buffer/line driver	✳	**.07**	**.05**
287144	74F245N	DIP-20	Tri-state octal bus transceiver	**.29**	**.22**	**.15**

74HC Series

★Web Code: SDJ

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10	100
45161	✦	74HC00N	DIP-14	Quad 2-input pos. NAND gate	**$.35**	**$.29**	**$.25**
906339	NXP	74HC00Nℛ	DIP-14	Quad 2-input pos. NAND gate	**.35**	**.29**	**.25**
835219	TI	SN74HC00Nℛ	DIP-14	Quad 2-input pos. NAND gate	**.39**	**.35**	**.29**
45188	✦	74HC02N	DIP-14	Quad 2-input pos. NOR gate	**.35**	**.29**	**.25**
45209	✦	74HC04N	DIP-14	Hex inverter	**.35**	**.29**	**.25**
250982	TI	SN74HC04N	DIP-14	Hex inverter	**.35**	**.29**	**.25**

Continued on next page

◉ NXP = NXP/Philips | TI = Texas Instruments | ✦ Major Brands

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

74HC, 74HCT & 74LS Series

74HC Series (Continued)

★Web Code: SDJ

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
906574	NXP	74HC04Nℛ	DIP-14	Hex inverter	$.35	$.29	$.25
45225	✦	74HC08N	DIP-14	Quad 2-input pos. AND gate	.35	.29	.25
45233	✦	74HC10N	DIP-14	Triple 3-input pos. NAND gate	.39	.35	.29
45364	✦	74HC14N	DIP-14	Hex schmitt-trigger inverter	.35	.29	.25
251045	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverter	.39	.35	.29
915841	TI	SN74HC27DRℛ	SOIC-14	Triple 3-input pos. NOR gate	✳	.07	.05
908799	NXP	74HC32D-Tℛ	SOIC-14	Quad 2-input pos. OR gate	✳	.07	.05
45794	✦	74HC32N	DIP-14	Quad 2-input pos. OR gate	.29	.25	.22
251088	TI	SN74HC32N	DIP-14	Quad 2-input pos. OR gate	.35	.29	.25
46130	✦	74HC74N	DIP-14	Dual D-type fip-flop	.35	.29	.25
46181	✦	74HC86N	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
45292	✦	74HC123N	DIP-16	Dual monostable multivibrator	.39	.35	.29
45305	✦	74HC125N	DIP-14	Tri-state quad bus buffer	.29	.25	.22
380146	TI	SN74HC132PWℛ	TSSOP-14	Quad 2-input NAND schmitt trigger	✳	.09	.07
45321	✦	74HC132N	DIP-14	Quad 2-input NAND schmitt trigger	.35	.29	.25
86182	✦	74HC138D	SOIC-16	3-to-8 line decoder/demultiplexer	✳	.05	.03
45330	✦	74HC138N	DIP-16	3-to-8 line decoder/demultiplexer	.35	.29	.25
45401	✦	74HC154N	DIP-24	4-to-16 line decoder (0.3" wide)	.99	.89	.79
45487	✦	74HC164N	DIP-14	8-bit serial shift register	.35	.29	.25
251328	TI	SN74HC164N	DIP-14	8-bit serial shift register	.39	.35	.29
45495	✦	74HC165N	DIP-16	8-bit parallel load shift register	.35	.29	.25
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register	.39	.35	.29
45541	✦	74HC192N	DIP-16	Synch. 4-bit up/down decade counter	.65	.55	.45
915551	TI	SN74HC244PWRℛ	TSSOP-20	Tri-state octal buffer/line driver	✳	.09	.07
45655	✦	74HC244N	DIP-20	Tri-state octal buffer/line driver	.35	.29	.25
45671	✦	74HC245N	DIP-20	Tri-state octal buffer/line driver	.35	.29	.25
45743	✦	74HC273N	DIP-20	Octal D-type flip-flop	.39	.35	.29
45831	✦	74HC373N	DIP-20	Octal D-type transparent latch	.45	.39	.29
45858	✦	74HC374N	DIP-20	Octal D-type flip-flop	.45	.39	.29
380998	✦	74HC540T	TSSOP-20	Tri-state octal buffer/line driver	✳	.09	.07
381000	TI	SN74HC541PW	TSSOP-20	Tri-state octal buffer/line driver	✳	.09	.07
46050	✦	74HC541N	DIP-20	Tri-state octal buffer/line driver	.45	.39	.35
46076	✦	74HC573N	DIP-20	3-st. octal D-type transparent latch	.45	.39	.35
46084	✦	74HC574N	DIP-20	Tri-state octal D-type flip-flop	.45	.39	.35
46105	✦	74HC595N	DIP-16	8-bit shift register w/ output latch	.49	.39	.29
911189	NXP	74HC595Nℛ	DIP-16	8-bit shift register w/ output latch	.55	.45	.35
251643	TI	SN74HC595N	DIP-16	8-bit shift register w/ output latch	.55	.45	.35
45891	✦	74HC4017N	DIP-16	Hi speed decade counter/divider	.45	.39	.35
45920	✦	74HC4040N	DIP-16	12-bit asynch. binary counter	.39	.35	.29
45971	✦	74HC4066N	DIP-14	Quad bilateral analog switch	.39	.35	.29
252566	TI	CD74HC4316M	SOIC-16	High speed quad analog switch	✳	.19	.15

74HCT Series

Please Note: Manufacturer may vary

★Web Code: SAG

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Description	1	10	100
246027	74HCT00M	SOIC-14	Quad 2-input pos. NAND gate	✳	$.07	$.05
44871	74HCT00N	DIP-14	Quad 2-input pos. NAND gate	.29	.25	.22
44898	74HCT04N	DIP-14	Hex inverter	.25	.22	.17
63765	74HCT05N	DIP-14	Hex inverter (O.C.)	.29	.22	.15
44901	74HCT08N	DIP-14	Quad 2-input pos. AND gate	.29	.25	.22
912296	74HCT14D-Tℛ	SOIC-14	Hex schmitt-trigger inverter	✳	.07	.05
44935	74HCT14N	DIP-14	Hex schmitt-trigger inverter	.29	.25	.22
45137	74HCT74N	DIP-14	Dual D-type flip-flop	.29	.25	.22
45145	74HCT86N	DIP-14	Quad 2-input exclusive OR gate	.29	.25	.22
44927	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer	.35	.29	.25
381253	SN74HCT240PW	TSSOP-20	Octal buffer/line driver	✳	.09	.07
45022	74HCT244N	DIP-20	Tri-state octal buffer/line driver	.35	.29	.25
45031	74HCT245N	DIP-20	Tri-state octal bus transceiver	.45	.39	.29
45065	74HCT373N	DIP-20	Octal D-type transparent latch	.39	.35	.29
45073	74HCT374N	DIP-20	Octal D-type flip-flop	.39	.35	.29
45090	74HCT573N	DIP-20	3-st. octal D-type transparent latch	.45	.39	.29
45129	74HCT688N	DIP-20	8-bit magnitude comparator	.69	.59	.49

74LS Series

★Web Code: NBS

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
46252	✦	74LS00N**	DIP-14	Quad 2-input pos. NAND gate	$.45	$.39	$.35
46253	✦	74LS00Nℛ	DIP-14	Quad 2-input pos. NAND gate	.49	.45	.39
283725	TI	SN74LS00N	DIP-14	Quad 2-input pos. NAND gate	.49	.45	.39
46287	✦	74LS02N**	DIP-14	Quad 2-input pos. NOR gate	.49	.45	.35
283741	TI	SN74LS02N	DIP-14	Quad 2-input pos. NOR gate	.55	.49	.39
46308	✦	74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.)	.59	.49	.45
283784	TI	SN74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.)	.85	.69	.59
46316	✦	74LS04N**	DIP-14	Hex inverter	.49	.45	.39
46318	✦	74LS04Nℛ	DIP-14	Hex inverter	.55	.49	.45
283792	TI	SN74LS04N	DIP-14	Hex inverter	.55	.49	.45
46341	✦	74LS05N*	DIP-14	Hex inverter (O.C.)	.59	.49	.45
46359	✦	74LS06N	DIP-14	Hex inverter buffer/driver	.89	.75	.59
46367	✦	74LS07N	DIP-14	Hex buffer/driver	.75	.65	.55
46375	✦	74LS08N**	DIP-14	Quad 2-input pos. AND gate	.45	.39	.35
295401	TI	SN74LS08N	DIP-14	Quad 2-input pos. AND gate	.49	.45	.39
46391	✦	74LS09N	DIP-14	Quad 2-input pos. AND gate (O.C.)	.59	.49	.45
46404	✦	74LS10N*	DIP-14	Triple 3-input pos. NAND gate	.59	.49	.39
46439	✦	74LS11N*	DIP-14	Triple 3-input pos. AND gate	.59	.49	.39
46640	✦	74LS14N*	DIP-14	Hex schmitt-trigger inverter	.49	.39	.29
295460	TI	SN74LS14N	DIP-14	Hex schmitt-trigger inverter	.55	.45	.35
47095	✦	74LS20N*	DIP-14	Dual 4-input NAND gate	.69	.59	.49
295478	TI	SN74LS20N	DIP-14	Dual 4-input NAND gate	.75	.65	.55
47108	✦	74LS21N	DIP-14	Dual 4-input AND gate	.59	.49	.39
47378	✦	74LS27N	DIP-14	Triple 3-input NOR gate	.79	.69	.59
47458	✦	74LS30N*	DIP-14	8-input NAND gate	.49	.45	.39
47466	✦	74LS32N**	DIP-14	Quad 2-input pos. OR gate	.45	.39	.35
47467	✦	74LS32Nℛ	DIP-14	Quad 2-input pos. OR gate	.49	.45	.39
295515	TI	SN74LS32N	DIP-14	Quad 2-input pos. OR gate	.49	.45	.39
47773	✦	74LS42N	DIP-14	4 line BCD to 10 line decimal decoder.	1.09	.99	.89
47790	✦	74LS47N*	DIP-16	BCD-to-7 seg. decoder/driver	1.29	1.19	.89
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/driver	1.39	1.29	.95
47811	✦	74LS48N	DIP-16	BCD-to-7 seg. decoder/driver	3.95	3.49	2.95
47992	✦	74LS73N*	DIP-14	Dual J-K neg-edge-triggered flip-flop	1.45	1.25	1.15
48004	✦	74LS74N**	DIP-14	Dual D-type flip-flop	.49	.39	.35
295726	TI	SN74LS74AN	DIP-14	Dual D-type flip-flop	.55	.45	.39
48021	✦	74LS75N*	DIP-16	4-bit bi-stable latch	1.19	1.05	.89
295734	TI	SN74LS75N	DIP-16	4-bit bi-stable latch	1.29	1.09	.95
48039	✦	74LS76N	DIP-16	Dual J-K pos-edge-triggered flip-flop	1.49	1.35	1.19
48063	✦	74LS83N	DIP-16	4-bit binary full adder	2.19	1.99	1.79
48071	✦	74LS85N*	DIP-16	4-bit magnitude comparator	.99	.89	.75
295742	TI	SN74LS85N	DIP-16	4-bit magnitude comparator	1.09	.99	.79
48098	✦	74LS86N*	DIP-14	Quad 2-input exclusive OR gate	.49	.39	.29
295751	TI	SN74LS86N	DIP-14	Quad 2-input exclusive OR gate	.55	.45	.35
48119	✦	74LS90N*	DIP-14	Asynchronous decade counter	1.75	1.49	1.35
295769	TI	SN74LS90N	DIP-14	Asynchronous decade counter	1.85	1.59	1.45
48143	✦	74LS92N	DIP-14	Divide-by-12 decade counter	1.95	1.75	1.49
48151	✦	74LS93N*	DIP-14	4-bit binary counter	1.75	1.49	1.19
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.95	1.75	1.49
46412	✦	74LS107N	DIP-14	Dual J-K flip-flop with clear	1.09	.99	.89
46421	✦	74LS109N	DIP-16	Dual J-K bar flip-flop	.99	.89	.79
46447	✦	74LS112N	DIP-16	Dual J-K neg-edge-triggered flip-flop	.65	.55	.45
46471	✦	74LS122N	DIP-14	Retriggerable monostable multivib.	.89	.79	.69
46480	✦	74LS123N*	DIP-16	Dual monostable multivibrator	.65	.55	.45
300880	TI	SN74LS123N	DIP-16	Dual monostable multivibrator	.69	.59	.49
46501	✦	74LS125N*	DIP-14	Tri-state quad bus buffer	.65	.55	.45
46527	✦	74LS126N	DIP-14	Tri-state quad bus buffer	.65	.55	.45
46551	✦	74LS132N	DIP-14	Quad 2-input NAND schmitt trigger	.69	.59	.49
46607	✦	74LS138N**	DIP-16	3-to-8 decoder/demultiplexer	.59	.49	.39
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.69	.59	.49
46623	✦	74LS139N*	DIP-16	Dual 2-to-4 decoder/demultiplexer	.59	.49	.39
301268	TI	SN74LS139AN	DIP-16	Dual 2-to-4 decoder/demultiplexer .	.65	.55	.45
46666	✦	74LS145N	DIP-16	BCD-to-decimal decoder/driver	.69	.59	.49
301276	TI	SN74LS145N	DIP-16	BCD-to-decimal decoder/driver	.79	.69	.59
46682	✦	74LS148N	DIP-16	8-to-3 line priority encoder	1.05	.95	.85

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 5

● NXP = NXP/Philip Semiconductor | TI = Texas Instruments | ✦ Major Brands

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

TEXAS INSTRUMENTS | NXP / PHILIPS

74LS Series (Continued)

★Web Code: NBS

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
46703	✦	74LS151N*	DIP-16	1-to-8 data selector/multiplexer	$.75	$.65	$.55
46720	✦	74LS153N	DIP-16	Dual 4-to-1 data selector/multiplexer	.75	.65	.55
46738	✦	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer	4.95	4.75	4.25
46754	✦	74LS155N*	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.99	.89	.79
46771	✦	74LS157N*	DIP-16	Quad 2-to-1 line data selector	.59	.49	.39
46800	✦	74LS160N	DIP-16	Synchronous decade counter	2.49	2.25	2.05
46818	✦	74LS161N	DIP-16	4-bit synchronous binary counter	.65	.55	.45
301647	TI	SN74LS161AN	DIP-16	4-bit synchronous binary counter	.69	.59	.49
46842	✦	74LS163N	DIP-16	Synchronous 4-bit binary counter	.65	.55	.45
46851	✦	74LS164N	DIP-14	8-bit serial shift register	.59	.49	.39
46877	✦	74LS165N	DIP-16	8-bit parallel load shift register	.65	.55	.45
301680	✦	SN74LS165AN	DIP-16	8-bit parallel load shift register	.65	.55	.45
46885	✦	74LS166N	DIP-16	Serial-out shift register	.89	.79	.69
46906	✦	74LS169N	DIP-16	Synch. 4-bit binary up/down counter	.99	.89	.79
46922	✦	74LS173N	DIP-16	4-bit D-type register w/ 3-state output	1.09	.99	.89
46931	✦	74LS174N*	DIP-16	Hex D-type flip-flop with clear	.69	.59	.49
46957	✦	74LS175N*	DIP-16	Quad D-type flip-flop with clear	.69	.59	.49
46973	✦	74LS181N	DIP-24	Arithmetic logic unit/function generator	3.95	3.49	3.25
46990	✦	74LS190N	DIP-16	Synchronous up/down decade counter	2.95	2.75	2.49
47001	✦	74LS191N	DIP-16	Synch. 4-bit up/down binary counter	.79	.69	.59
47010	✦	74LS192N	DIP-16	Synch. 4-bit up/down decade counter	3.49	3.25	2.95
47036	✦	74LS193N*	DIP-16	Synch. 4-bit up/down binary counter	.79	.69	.59
301831	TI	SN74LS193N	DIP-16	Synch. 4-bit up/down binary counter	.89	.79	.69
47052	✦	74LS194N	DIP-16	4-bit bi-directional shift register	.99	.79	.69
301858	TI	SN74LS194N	DIP-16	4-bit bi-directional shift register	1.09	.89	.79
47061	✦	74LS195N	DIP-16	4-bit parallel-access shift register	2.05	1.95	1.75
47124	✦	74LS221N	DIP-16	Dual monostable multivibrator	.85	.75	.65
47141	✦	74LS240N*	DIP-20	Octal buffer/line driver	.69	.55	.45
308291	TI	SN74LS240N	DIP-20	Octal buffer/line driver	.79	.65	.55
47167	✦	74LS241N	DIP-20	Tri-state octal buffer/line driver	.75	.65	.55
47183	✦	74LS244N*	DIP-20	Tri-state octal buffer/line driver	.65	.55	.45
308312	TI	SN74LS244Nℛ	DIP-20	Tri-state octal buffer/line driver	.69	.59	.49
47212	✦	74LS245N*	DIP-20	Tri-state octal bus transceiver	.65	.55	.45
308321	TI	SN74LS245N	DIP-20	Tri-state octal bus transceiver	.69	.59	.49
47247	✦	74LS247N	DIP-16	BCD to 7-seg. decoder/driver	1.19	1.09	.95
47327	✦	74LS259N	DIP-16	8-bit addressable latch	.89	.79	.69
47360	✦	74LS266N	DIP-14	Quad 2-input exclusive NOR gate (O.C.)	.79	.69	.59
47386	✦	74LS273N*	DIP-20	Octal D-type flip-flop	.69	.55	.45
308398	TI	SN74LS273N	DIP-20	Octal D-type flip-flop	.79	.65	.55
47407	✦	74LS279N	DIP-16	Quad S-R latch	.89	.79	.69
47423	✦	74LS283N	DIP-16	4-bit binary full add w/ fast carry	1.09	.99	.89
47562	✦	74LS367N	DIP-16	Tri-state hex buffer	.89	.79	.69
309278	TI	SN74LS368AN	DIP-16	6-bit buffer/line driver	.95	.85	.75
47600	✦	74LS373N*	DIP-20	Octal D-type transparent latch	.69	.55	.45
308460	TI	SN74LS373N	DIP-20	Octal D-type transparent latch	.79	.65	.55
47634	✦	74LS374N*	DIP-20	Octal D-type flip-flop	.69	.55	.45
308478	TI	SN74LS374N	DIP-20	Octal D-type flip-flop	.79	.65	.55
1944311	✦	74LS375N	DIP-16	4-bit bistable latch	✳	.07	.05
47669	✦	74LS377N	DIP-20	Octal D-type flip-flop	.99	.89	.79
47722	✦	74LS390N	DIP-16	Dual 4-bit decade counter	1.19	1.09	.95
47731	✦	74LS393N	DIP-14	Dual 4-bit binary counter	.85	.75	.65
47861	✦	74LS540N	DIP-20	Tri-state octal buffer/line driver	1.29	1.19	1.09
47870	✦	74LS541N	DIP-20	Tri-state octal buffer/line driver	.95	.85	.75
308523	TI	SN74LS541Nℛ	DIP-20	Tri-state octal buffer/line driver	.99	.89	.79
64418	✦	74LS573N	DIP-20	Tri-state octal D-type flip flop	2.95	2.75	2.49
64426	✦	74LS574N	DIP-20	Tri-state octal D-type flip flop	2.49	2.25	1.95
103974	✦	74LS595N	DIP-16	8-bit shift register with output latch	4.95	4.49	3.95
309260	✦	74LS682N	DIP-20	8-bit magnitude/identity comp.	1.75	1.49	1.25
47984	✦	74LS688N	DIP-20	8-bit identity comparator	1.95	1.75	1.49

*10 pcs. in 74LS series IC cabinet kit, above right

74LS Series IC Kit

★Web Code: CKS

SAVE $123

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 155 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	5
84961	420 pcs. 74LS IC kit	6.7	$159.95	$144.95
130391	Refill for 84961 (420 pcs.)	2.0	144.95	129.95

74S Series

Please Note: Manufacturer may vary

★Web Code: NCK

Part No.	Product No.	Pkg.	Description	1	10	100
48573	74S20N	DIP-14	Dual 4-input NAND gate	✳	$.07	$.05
48750	74S32N	DIP-14	Quad 2-input pos. OR gate	✳	.07	.05
48531	74S188N	DIP-16	(32 x 8) 256-bit TTL PROM (27S18)	6.95	5.95	5.49
677020	74S244N	DIP-20	Tri-state octal buffer/line driver	.39	.35	.29
48696	74S287N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24S10)	7.95	6.95	5.95
48717	74S288N	DIP-16	(32 x 8) 256-bit TTL PROM (TBP18S030N)	10.95	9.95	8.95
48805	74S387N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24SA10N)	3.95	3.75	3.49
52513	74S428N	DIP-28	System controller/bus driver (8228)	4.95	4.49	3.95
48864	74S472N	DIP-20	(512 x 8) 4096-bit TTL PROM (TBP28S42N)	12.95	11.95	10.95
48910	74S571N	DIP-16	(512 x 4) 2048-bit TTL PROM (AM27S13)	7.95	6.95	5.95

4000 Series

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
12562	✦	CD4001**	DIP-14	Quad 2-input NOR gate	$.39	$.35	$.29
675964	✦	CD4002	DIP-14	Dual 4-input NOR gate	.35	.29	.25
12597	✦	CD4007	DIP-14	Dual complimentary pair plus inv.	.39	.35	.29
12634	✦	CD4011**	DIP-14	Quad 2-input NAND gate	.39	.35	.29
893283	TI	CD4011BEℛ	DIP-14	Quad 2-input NAND gate	.45	.39	.35
12677	✦	CD4013**	DIP-14	Dual D-type flip-flop	.39	.35	.29
893443	TI	CD4013BEℛ	DIP-14	Dual D-type flip-flop	.45	.39	.35
12706	✦	CD4015*	DIP-16	Dual 4-stage static shift register	.39	.35	.29
12722	✦	CD4016*	DIP-14	Quad bilateral switch	.35	.29	.25
12749	✦	CD4017*	DIP-16	Decade counter/divider	.45	.35	.29
893611	TI	CD4017BEℛ	DIP-16	Decade counter/divider	.49	.39	.35
12773	✦	CD4018	DIP-16	Presettable divide-by-N counter	.45	.39	.35
12802	✦	CD4020*	DIP-16	14-st. ripple carry binary counter	.39	.35	.29
12829	✦	CD4021	DIP-16	8-stage static shift register	.39	.35	.29
12845	✦	CD4023*	DIP-14	Triple 3-input NAND gates	.35	.29	.25
12853	✦	CD4024*	DIP-14	7-stage ripple carry binary counter	.39	.35	.29
353560	✦	CD4026	DIP-16	Decade counter/divider	.45	.35	.29
12888	✦	CD4027*	DIP-16	Dual J-K master/slave flip-flop	.39	.35	.29
12909	✦	CD4028	DIP-16	BCD-to-decimal decoder	.39	.35	.29
12925	✦	CD4029	DIP-16	Preset up/down binary counter	.45	.39	.35
12950	✦	CD4040*	DIP-16	12-stage binary/ripple counter	.45	.35	.29
12992	✦	CD4043	DIP-16	Tri-state quad NOR R/S latch	.45	.39	.35
13004	✦	CD4044	DIP-16	Quad NAND R/S latch	.39	.35	.29
13012	✦	CD4046*	DIP-16	Micropower phase lock loop	.49	.39	.35
13039	✦	CD4047	DIP-14	Monostable/astable multivibrator	.39	.35	.29
13055	✦	CD4049**	DIP-16	Hex inverting buffer/converter	.39	.35	.29
13071	✦	CD4050*	DIP-16	Hex non-inverting buffer/converter	.39	.35	.29
13098	✦	CD4051*	DIP-16	Single 8-ch analog multiplexer	.39	.35	.29
894391	TI	CD4051BEℛ	DIP-16	Single 8-ch analog multiplexer	.45	.39	.35
13119	✦	CD4052	DIP-16	Dual 4-ch analog multiplexer	.39	.35	.29
13127	✦	CD4053	DIP-16	Triple 2-ch analog multiplexer	.39	.35	.29
13151	✦	CD4060	DIP-16	14-st. ripple carry binary counter	.45	.35	.29
13186	✦	CD4066**	DIP-14	Quad bilateral switch	.35	.29	.25
13232	✦	CD4069ℛ	DIP-14	Hex inverters (74C04)	.39	.35	.29
13215	✦	CD4067	DIP-24	Single 16-ch analog multiplexer	1.09	.99	.89

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, pg 6

Continued on next page

● TI = Texas Instruments | ✦ Major Brands

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

4000, 5000, 6500, 6800/68000 & 8000 Series

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

4000 Series (Continued)

★Web Code: WAA

✳ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10	100
13231	✦	CD4069*	DIP-14	Hex inverters (74C04)	$.39	$.35	$.25
13258	✦	CD4070*	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
13274	✦	CD4071*	DIP-14	Quad 2-input OR gate	.39	.35	.29
676094	✦	CD4075	DIP-14	Triple 3-input OR gate	.45	.35	.29
676107	✦	CD4077	DIP-14	Quad exclusive NOR gate	.39	.35	.29
676115	✦	CD4078	DIP-14	8-input NOR/OR gate	.45	.35	.29
13354	✦	CD4081*	DIP-14	Quad 2-input AND gate	.39	.35	.29
676123	✦	CD4082	DIP-14	Dual 4-input AND gate	.39	.35	.29
13400	✦	CD4093*	DIP-14	Quad 2-input NAND schmitt trig.	.39	.35	.29
818902	TI	CD4093BQM96Q1	SOIC-14	Quad 2-input NAND schmitt trig.	✳	.12	.09
818873	TI	CD4093BEℛ	DIP-14	CMOS 2-input NAND gate	.45	.39	.35
870807	NSC	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trig.	.59	.49	.45
13426	✦	CD4094	DIP-16	8-bit shift register with latch	.45	.39	.29
13442	✦	CD4099	DIP-16	8-bit addressable latch	.45	.39	.35
13485	✦	CD4510	DIP-16	BCD presettable up/down counter	.45	.39	.35
13493	✦	CD4511*	DIP-16	BCD-to-7 segment latch/decoder/driver	.45	.35	.29
895377	TI	CD4511BEℛ	DIP-16	BCD-to-7 segment latch/decoder/driver	.49	.39	.35
13522	✦	CD4514	DIP-24	4-bit latch/line decoder	1.09	.95	.79
13549	✦	CD4516	DIP-16	Binary up/down counter	.45	.39	.35
13565	✦	CD4518	DIP-16	Dual BCD up counter	.45	.39	.35
13581	✦	CD4520	DIP-16	Dual binary up counter	.39	.35	.29
13611	✦	CD4528	DIP-16	Dual monostable multivibrator	.59	.49	.45
13653	✦	CD4538*	DIP-16	Dual monostable multivibrator	.59	.49	.39
13696	✦	CD4543*	DIP-16	BCD to 7-segment decoder driver	.45	.35	.29
13709	✦	CD4553	DIP-16	3-digit BCD counter	1.95	1.59	1.39
13768	✦	CD4584*	DIP-14	Hex schmitt trigger	.39	.35	.29
676473	✦	CD40102	DIP-16	2-decade BCD 8-st. sync down counter	✳	.15	.12
785071	NSC	CD40106BCN	DIP-14	Hex schmitt trigger	.69	.59	.49
676502	✦	CD40110	DIP-16	Decade up/down counter	1.45	1.19	1.05

*10 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

★Web Code: CKS

SAVE $40

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 155 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	5
84970	300 pcs. 4000 series CMOS IC kit	6.1	$89.95	$79.95
130403	Refill for 84970 (300 pcs.)	1.4	74.95	67.95

5000 Series & Clock Chips

★Web Code: RAE

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10
32803	✦	TCM5089N	DIP-16	Touch tone generator	$4.95	$4.49
26171	✦	M5450B7	DIP-40	LED display driver	3.95	3.49
27422	✦	LM555CN**	DIP-8	Timer	.25	.22
126797	✦	LMC555CN*	DIP-8	CMOS timer	.69	.59
24328	✦	LM556N*	DIP-14	Dual timer	.29	.25
95531	✦	RTC72421Bℛ	DIP-18	Real time clock	7.95	6.95
25101	✦	MC146818☆	DIP-24	Real time clock with RAM	8.95	7.95
10567	AMD	AM9513APC☆	DIP-40	Real time clock	34.95	31.95

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 14 ☆ Pull = Extra Savings

★Delay Lines Available Online — Enter Web Code EEU

★EconoResets Available Online — Enter Web Code YFE

6500 Series

★Web Code: NAG

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10
43191	✦	6502☆	DIP-40	CPU, 8-bit, 1MHz	$6.95	$5.95
43166	✦	65C02☆	DIP-40	CPU, 8-bit, 1MHz (CMOS)	6.95	5.95
43254	✦	6522☆	DIP-40	Versatile interface adapter, 1MHz	6.95	5.95
43297	✦	6532☆	DIP-40	RAM I/O timer, 1MHz	8.95	7.95
43318	✦	6551☆	DIP-28	Asynch. comm. interface adapter, 1MHz	4.95	4.49
2143671	WDC	W65C816S6PLG-14ℛ	PLCC-44	MPU, 8/16-bit, 14MHz, 16MB	7.95	6.95
2143662	WDC	W65C816S6PG-14ℛ	PDIP-40	MPU, 8/16-bit, 14MHz, 16MB	7.95	6.95
2143654	WDC	W65C02S6TQG-14ℛ	QFP-44	MPU, 8-bit, 16MHz, 65kB	6.95	5.95
2143646	WDC	W65C02S6TPLG-14ℛ	PLCC-44	MPU, 8-bit, 16MHz, 65kB	6.95	5.95
2143638	WDC	W65C02S6TPG-14ℛ	PDIP-40	MPU, 8-bit, 16MHz, 65kB	6.95	5.95
2143620	WDC	W65C22N6TPLG-14ℛ	PLCC-44	Versatile interface adapter, 14MHz	6.95	5.95
2143611	WDC	W65C22N6TPG-14ℛ	PDIP-40	Versatile interface adapter, 14MHz	6.95	5.95
2143603	WDC	W65C22S6TPLG-14ℛ	PLCC-44	Versatile interface adapter, 14MHz	6.95	5.95
2143591	WDC	W65C22S6TPG-14ℛ	PDIP-40	Versatile interface adapter, 14MHz	6.95	5.95
2143582	WDC	W65C265S8PLG-8ℛ	PLCC-84	MCU, 8/16-bit, 64 I/O, 8MHz	13.49	10.95
2143574	WDC	W65C134S8PLG-8ℛ	PLCC-68	MCU, 8-bit, 56 I/O, 8MHz	11.95	9.95
2143566	WDC	W65C21N6TPLG-14ℛ	PLCC-44	Peripheral interface adapter, 14MHz	5.95	4.95
2143558	WDC	W65C21N6TPG-14ℛ	PDIP-40	Peripheral interface adapter, 14MHz	5.95	4.95
2143540	WDC	W65C21S6TPLG-14ℛ	PLCC-44	Peripheral interface adapter, 14MHz	5.95	4.95
2143531	WDC	W65C21S6TPG-14ℛ	PDIP-40	Peripheral interface adapter, 14MHz	5.95	4.95

☆ Pull = Extra Savings

6800/68000 CMOS

★Web Code: SBP

Part No.	Mfr. Part No.	Pkg.	Descriptio n	1	10
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	$10.95	$9.95
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.95	10.95
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	4.95	4.49
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	21.95	19.95
323213	MC68HC908GR8CP	DIP-28	MCU, 8-bit, 21 I/O, 8MHz	2.95	2.25

6800/68000 N-MOS

★Web Code: PAG

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10
43481	✦	6800☆	DIP-40	CPU, 8-bit, 5V, 2MHz	$5.95	$4.95
43502	✦	6802☆	DIP-40	CPU, 8-bit, 5V, 1MHz	9.95	8.95
43529	✦	6803☆	DIP-40	CPU, 8-bit, 5V, 1MHz	6.95	5.95
43537	✦	6808☆	DIP-40	CPU, 8-bit, 7V, 1MHz	6.95	5.95
43545	✦	6809E☆	DIP-40	CPU, 8-bit, 7V, 1MHz	3.95	3.49
320590	✦	68B09E☆	DIP-40	CPU, 8-bit, 7V, 2MHz	4.95	4.49
43561	✦	6810☆	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.49	2.95
43596	✦	6821☆	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.49
43414	✦	68B21	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49
43617	✦	6840☆	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.95	2.75
43633	✦	6850☆	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.49	3.95
25304	✦	MC68000L8☆	DIP-64	CPU, 16-bit, 7V, 8MHz	8.95	7.95
25291	✦	MC68000L10☆	DIP-64	CPU, 16-bit, 7V, 10MHz	9.95	8.95
25363	MOT	MC68705P3S☆	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95
25371	MOT	MC68705U3S☆	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	17.95	15.95

☆ Pull = Extra Savings

8000 Series

Please Note: Manufacturer may vary

★Web Code: CAH

Part No.	Product No.	Pkg.	Description	1	10	100
51844	8031☆	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	$3.25	$2.95	$2.75
51676	80C31☆	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	3.49	3.25	2.95
876096	P80C31BH-1	DIP-40	MCU, 8-bit, 32 I/O, 16MHz, CMOS	3.95	3.49	3.25
102197	8032☆	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.49	2.95
108804	80C32-1☆	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	4.25	3.75	3.49
51861	8035☆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.49	2.95
51959	8039☆	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	3.95	3.49	2.95
51692	80C39	DIP-40	MCU, 8-bit, 27 I/O, 11MHz, CMOS	2.95	2.75	2.49
51983	8049☆*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	1.95	1.49	1.25

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

☆ Pull = Extra Savings

◉ AMD = Advanced Micro | MOT = Motorola | NSC = National Semi | TI = Texas Instruments | WDC = Western Design Center | ✦ Major Brands

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

8000 Series (Cont.)

Please Note: Manufacturer may vary

*Web Code: CAH

Part No.	Product No.	Pkg.	Description	1	10	100
51991	8051AP✭**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	$2.95	$2.75	$2.25
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	33.95	31.95	29.95
52046	8080A✭	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	5.49	4.95	4.25
52062	8085AH✭	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	4.95	4.49	3.25
52071	8085AH-2✭	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.95	4.49
51705	80C85A-2✭	DIP-40	CPU, 8-bit, 16 I/O, 5MHz, CMOS	5.75	5.25	4.75
52100	8086-2✭	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	2.95	2.75	2.49
52142	8088✭	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.95	2.75	2.49
52169	8088-2✭	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	3.95	3.49	2.95
34358	UPD70108-8✭	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	8.95	7.95	6.95
52290	8155✭	DIP-40	I/O port timer, 2K-bit, 3MHz	3.95	3.49	2.95
52302	8155-2✭	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	4.95	4.49	3.75
52193	81C55✭	DIP-40	I/O port timer, 2K-bit, 3MHz, CMOS	4.95	4.49	3.95
52468	8212✭	DIP-24	I/O port timer, 8-bit, 3MHz	5.95	5.49	4.95
52484	8216	DIP-16	Bi-directional bus driver (non-invert.)	3.95	3.49	2.95
52492	8224✭	DIP-16	Clock generator/driver	4.95	4.49	3.95
52513	8228	DIP-28	System controller/bus driver	4.95	4.49	3.95
52581	8243✭	DIP-24	I/O expander, 5V, MIL. temp	5.49	4.95	3.25
52644	8251✭	DIP-28	USART	2.75	2.49	2.25
52652	8251A✭	DIP-28	Prog. communications interface	3.95	3.49	2.95
52370	82C51A✭	DIP-28	USART, 3V to 6V, CMOS	3.95	3.49	2.95
52687	8253-5✭	DIP-24	Prog. interval timer, 5MHz	3.49	3.25	2.75
52708	8254✭	DIP-24	Prog. interval timer, 8MHz	4.49	3.95	3.49
52716	8254-2✭	DIP-24	Prog. interval timer, 10MHz	4.95	4.49	3.95
52396	82C54✭	DIP-24	Prog. interval timer, 8MHz, CMOS	4.95	4.49	3.95
52409	82C54-2✭	DIP-24	Prog. interval timer, 10MHz, CMOS	4.95	4.49	3.95
52724	8255✭	DIP-40	CPU peripheral, 2MHz	4.49	3.95	3.49
52732	8255A-5✭	DIP-40	CPU peripheral, 5MHz	4.75	4.25	3.75
291805	8255AC-5	DIP-40	CPU peripheral, 4MHz	4.75	4.25	3.75
52417	82C55A✭	DIP-40	CPU peripheral, 8MHz, CMOS	4.95	4.49	3.95
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz, CMOS	4.95	4.49	3.95
52759	8256✭	DIP-40	Multi func. µproc. support controller	17.95	15.95	13.95
52775	8259✭	DIP-28	Prog. interrupt controller	1.95	1.75	1.49
52839	8279✭	DIP-40	CPU peripheral, 5MHz	10.95	9.95	7.95
52847	8279-5✭	DIP-40	CPU peripheral, 5MHz	12.95	11.95	10.95
52855	8282✭	DIP-20	Octal latch bus driver	4.95	4.49	3.95
52871	8284A✭	DIP-18	Clock generator/driver, 8MHz	4.95	4.49	3.95
2082020	N8284A	DIP-18	Up/down counter	1.49	1.25	.95
52898	8286✭	DIP-20	Octal bus transceiver	4.95	4.49	3.95
52901	8287✭	DIP-20	Octal bus transceiver	9.95	8.95	7.95
53031	8748H✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	12.95	11.95	9.95
53057	8749H✣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.95	14.95	12.95
53073	8751	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	7.95	6.95	5.95
53081	8751H✣	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	14.95	12.95	10.95
52978	87C51✭	DIP-40	MCU, 8-bit, 32 I/O, 33MHz, CMOS	15.95	13.95	11.95
196120	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	4.95	4.49	3.95
53090	8755	DIP-40	EPROM with I/O	3.95	3.49	2.95

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM ✭ Pull = Extra Savings ✣ Refurbished = Backed by Jameco

Z80 MPUs

Please Note: Manufacturer may vary

*Web Code: JAF

Part No.	Product No.	Pkg.	Description	1	10
35561	Z80✭	DIP-40	2.5MHz CPU (MK3880N/780C)	$2.49	$2.25
35596	Z80A✭	DIP-40	4MHz CPU (MK3880N-4/780C-1)	2.95	2.75
35609	Z80A-CTC✭	DIP-28	4MHz counter timer circuit (MK3882-4)	2.49	2.25
35625	Z80A-DART✭	DIP-40	4MHz dual asynchronous receiver/trans	2.95	2.75
35641	Z80A-PIO✭	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	2.05	1.85
35668	Z80A-SIO/0✭	DIP-40	4MHz serial I/O, TxCB & RxCB bond. (MK3884-4)	2.49	2.25
35705	Z80B✭	DIP-40	6MHz CPU (MK3880N-6)	3.25	2.95
35781	Z84C00-4✭	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	3.95	3.49
61786	Z85C3008PS✭	DIP-40	Serial communications controller	2.49	2.25
281308	Z85C3016PSC	DIP-40	Serial communications controller	5.95	4.95

✭ Pull = Extra Savings

UARTs

Please Note: Manufacturer may vary

*Web Code: MAG

Part No.	Product No.	Pkg.	Description	1	10
43158	6402✭	DIP-40	5V CMOS	$6.95	$5.95
27570	NS16C450N✭	DIP-40	Asynch. comm. element, 5V	2.95	2.75
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	3.95	3.49
288876	TL16C750FNℛ	PLCC-44	1-channel w/ 64-byte FIFO, 5V	2.95	2.25
288905	TL16C754BFNℛ	PLCC-68	4-channel w/ 64-byte FIFO, 5V	7.95	6.95

✭ Pull = Extra Savings

EPROMs

*Web Code: XAF

Part No.	●Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
39909	✦	2708✣	DIP-24	1k x 8	450ns, 5V	$3.95	$3.75	$3.49
33611	✦	TMS2716✣	DIP-24	2k x 8	450ns, 5V	1.95	1.75	1.49
40002	✦	2716✣	DIP-24	2k x 8	450ns, 5V	3.95	3.75	3.49
308662	✦	2716A-2	DIP-24	2k x 8	200ns, 5V	3.95	3.75	3.49
40011	✦	2716-1✣	DIP-24	2k x 8	350ns, 5V	4.49	3.95	3.75
33591	✦	TMS2532✣	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40096	✦	2732✣	DIP-24	4k x 8	450ns, 5V	5.95	5.49	3.95
40133	✦	2732A-45✣	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40125	✦	2732A-25✣	DIP-24	4k x 8	250ns, 5V	4.95	4.49	3.95
114876	✦	2732B✣	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40109	✦	2732A-20✣	DIP-24	4k x 8	200ns, 5V	5.49	4.95	4.49
266001	✦	27C32-150✣	DIP-24	4k x 8	150ns, 5V	5.95	5.49	4.95
40205	✦	2764-25✣	DIP-28	8k x 8	250ns, 5V	3.95	3.75	3.49
40192	✦	2764-20✣	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
40248	✦	2764A-25✣	DIP-28	8k x 8	250ns, 5V	3.95	3.75	3.49
40230	✦	2764A-20✣	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
698322	ST	M27C64A-15F1ℛ	FDIP-28	8k x 8	150ns, 5V (±10%)	5.95	5.49	5.25
39845	✦	27C64-25✣	DIP-28	8k x 8	250ns, 5V	3.49	3.25	2.95
74608	✦	27C64-20✣	DIP-28	8k x 8	200ns, 5V	3.75	3.49	3.25
39829	✦	27C64-15✣	DIP-28	8k x 8	150ns, 5V	4.25	3.95	3.75
105304	✦	27C64-12✣	DIP-28	8k x 8	120ns, 5V	4.49	4.25	3.85
266036	✦	27C64-100	DIP-28	8k x 8	100ns, 5V	4.95	4.55	4.05
39984	✦	27128A-25✣	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39968	✦	27128A-20✣	DIP-28	16k x 8	200ns, 5V	4.25	3.95	3.55
39950	✦	27128A-15✣	DIP-28	16k x 8	150ns, 5V	4.25	3.95	3.55
39685	✦	27C128-25✣	DIP-28	16k x 8	250ns, 5V	3.75	3.49	3.25
101101	✦	27C128-20✣	DIP-28	16k x 8	200ns, 5V	3.95	3.75	3.49
87935	✦	27C128-12✣	DIP-28	16k x 8	120ns, 5V	4.49	4.25	3.95
266061	✦	27C128-10	DIP-28	16k x 8	100ns, 5V	4.49	4.25	3.95
149665	✦	27C128-70	DIP-28	16k x 8	70ns, 5V	4.95	4.75	4.49
40045	✦	27256-20✣	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
40037	✦	27256-15✣	DIP-28	32k x 8	150ns, 5V	3.49	3.25	2.95
39731	✦	27C256-25✣	DIP-28	32k x 8	250ns, 5V	2.35	2.15	1.85
39722	✦	27C256-20✣	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
39714	✦	27C256-15✣	DIP-28	32k x 8	150ns, 5V	2.75	2.49	2.25
698111	ST	M27C256B-15F1ℛ	FDIP-28	32k x 8	150ns, 5V	3.95	3.49	3.25
65904	✦	27C256-12✣	DIP-28	32k x 8	120ns, 5V	3.65	3.49	3.25
698091	ST	M27C256B-12F1ℛ	FDIP-28	32k x 8	120ns, 5V	4.25	3.75	3.49
112740	✦	27C256-10✣	DIP-28	32k x 8	100ns, 5V	3.75	3.25	2.95
698082	ST	M27C256B-10F1ℛ	FDIP-28	32k x 8	100ns, 5V	4.49	3.95	3.59
140476	✦	27C256-70✣	DIP-28	32k x 8	70ns, 5V	4.75	4.49	3.95
266079	✦	27C256-55	DIP-28	32k x 8	55ns, 5V	4.75	4.49	3.95
40150	✦	27512-20✣	DIP-28	64k x 8	200ns, 5V	1.15	.99	.89
39802	✦	27C512-25✣	DIP-28	64k x 8	250ns, 5V	2.25	1.95	1.75
39790	✦	27C512-20✣	DIP-28	64k x 8	200ns, 5V	2.49	2.25	1.95
39781	✦	27C512-15✣	DIP-28	64k x 8	150ns, 5V	2.75	2.49	2.25
39773	✦	27C512-12✣	DIP-28	64k x 8	120ns, 5V	2.95	2.75	2.49
698226	ST	M27C512-12F1ℛ	FDIP-28	64k x 8	120ns, 5V	4.19	3.95	3.75
131959	✦	27C512-10✣	DIP-28	64k x 8	100ns, 5V	3.25	2.95	2.75
203625	✦	27C512-70	DIP-28	64k x 8	70ns, 5V	3.95	3.75	3.49
203641	✦	27C1024-12	DIP-40	64k x 16	120ns, 5V	4.95	4.75	4.49

✣ Refurbished = Backed by Jameco †FDIP = Ceramic frit seal

Continued on next page

● ST = ST Micro | ✦ Major Brands

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

EPROMs, OTP/PROMs, EEPROMs, Static RAM & DRAM

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

EPROMs (Continued)

★Web Code: XAF

Part No.	◉Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
118148	✦	27C1024-15	DIP-40	64k x 16	150ns, 5V	$3.95	$3.25	$2.75
39651	✦	27C010-15✣	DIP-32	128k x 8	150ns, 5V	3.49	3.25	2.95
697987	ST	M27C1001-15F1ℛ	FDIP-32	128k x 8	150ns, 5V	4.95	4.75	4.49
74624	✦	27C010-12✣	DIP-32	128k x 8	120ns, 5V	3.49	3.25	2.95
697961	ST	M27C1001-12F1ℛ	FDIP-32	128k x 8	120ns, 5V	6.95	6.25	5.59
79231	✦	27C010-10✣	DIP-32	128k x 8	100ns, 5V	3.49	3.25	2.95
697944	ST	M27C1001-10F1ℛ	FDIP-32	128k x 8	100ns, 5V	4.75	4.49	4.25
146149	✦	27C010-70✣	DIP-32	128k x 8	70ns, 5V	4.25	3.95	3.75
698007	ST	M27C1001-70F1ℛ	FDIP-32	128k x 8	70ns, 5V	4.75	4.49	4.25
65699	✦	27C020-15✣	DIP-32	256k x 8	150ns, 5V	3.75	3.49	3.25
78852	✦	27C020-12✣	DIP-32	256k x 8	120ns, 5V	3.95	3.75	3.49
698031	ST	M27C2001-12F1ℛ	FDIP-32	256k x 8	120ns, 5V	5.95	5.49	4.95
156267	✦	27C020-10	DIP-32	256k x 8	100ns, 5V	4.25	3.95	3.75
127933	✦	27C4096-12	DIP-40	256k x 16	120ns, 5V	5.95	5.49	4.95
85462	✦	27C040-15✣	DIP-32	512k x 8	150ns, 5V	4.49	4.25	3.95
102293	✦	27C040-12✣	DIP-32	512k x 8	120ns, 5V	4.95	4.75	4.49
111780	✦	27C040-10✣	DIP-32	512k x 8	100ns, 5V	4.95	4.75	4.49
203676	✦	27C040-80	DIP-32	512k x 8	80ns, 5V	5.25	4.95	4.75
266124	✦	27C040-70	DIP-32	512k x 8	70ns, 5V	5.49	5.25	4.95
156275	✦	27C080-10	DIP-32	1M x 8	100ns, 5V	8.95	7.95	7.25
203684	✦	27C080-90	DIP-32	1M x 8	90ns, 5V	9.95	8.95	8.25
265842	✦	27C800-12	DIP-42	1M x 8	120ns, 5V	3.95	3.49	2.95

✣ Refurbished = Backed by Jameco †FDIP = Ceramic frit seal

OTP/PROMs

★Web Code: WAG

Part No.	◉Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
48717	✦	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	$10.95	$9.95	$8.95
27844	✦	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.95	4.95	3.95
27764	✦	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	9.95	8.95	6.95
48696	✦	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	7.95	6.95	5.95
48805	✦	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.95	3.75	3.49
27772	✦	N82S126	DIP-16	256 x 4	1-kbit, 5V, 50ns, PROM	4.95	3.95	2.95
27781	✦	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.95	9.95	8.95
27799	✦	N82S131	DIP-16	512 x 4	2-kbit, 7V, 50ns, PROM	9.95	8.95	7.95
27810	✦	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	7.95	6.95	5.95
27828	✦	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	1.95	1.75	1.49
27836	✦	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	4.95	3.95	2.95
394986	ATM	AT27C256R-45PUℛ	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	1.95	1.75	1.49
395081	ATM	AT27C512R-70PUℛ	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	2.25	1.95	1.75
203692	✦	27C512-12	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	1.95	1.75	1.49
394708	ATM	AT27C010-70PUℛ	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	2.95	2.75	2.49
267215	✦	27C080-15	PLCC-32	1M x 8	8-Mbit, 5V, 150ns, OTP	1.95	1.75	1.49

EEPROMs

Please Note: Manufacturer may vary

★Web Code: GAM

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	$.25	$.22	$.19
108855	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	✳	.12	.09
200598	93C66	DIP-8	256 x 16	3-wire serial, 2-5V	.35	.29	.25
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.45	.39	.35
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	.45	.39	.35
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.95	3.75	3.49
276701	28C17	DIP-28	2k x 8	Page parallel, 5V	3.95	3.75	3.49
40416	2817A-25	DIP-28	2k x 8	Page parallel, 5V	2.95	2.49	1.95
276752	28C64	SOIC-28	8k x 8	Page parallel, 5V	1.19	1.05	.89
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	3.75	3.49	3.25
40475	2865A	DIP-28	8k x 8	5V with latches	5.95	5.49	4.95
276816	28C256-15SC	SOIC-28	32k x 8	Page parallel, 5V	3.95	2.95	1.95
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.25	1.95	1.75
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
276832	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	1.95	1.75	1.49
276912	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	5.95	5.49	5.25
395372	AT28LV010-20TC	TSSOP-32	128k x 8	Page parallel, 3.3V	19.95	15.95	13.95

Static RAM

★Web Code: WAF

Part No.	◉Mfr.	Product No.	Pkg.	Config.	Description	1	10
38931	✦	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	$2.25	$1.95
42198	✦	5101✯	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.95	6.95
38957	✦	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.25	1.95
43238	✦	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	2.95	2.75
38973	✦	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.25
38981	✦	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.69	2.39
38738	✦	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.25	1.15
38746	✦	2016-20✯	DIP-24	2k x 8	16-Kbit, 5V, 200ns	1.15	1.05
114260	DAL	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	12.95	10.95
25911	✦	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.95	6.95
42809	✦	6116P-3N	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.75	1.55
42796	✦	6116P-2✯	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.79	1.59
42788	✦	6116P-1✯	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.85	1.65
42753	✦	6116LP-3✯	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.85	1.65
42737	✦	6116LP-1✯	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.95	1.75
242683	CPS	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Asynch.	2.95	2.75
242675	✦	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.25	1.95
392446	✦	CY7C4235V-15ASC	STQFP-64	2k x18	36-Kbit, 3.3V, 15ns, Synch. FIFO	10.95	8.95
242333	✦	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns, Asynch.	2.49	2.25
85121	✦	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.75	3.49
42884	✦	6264LP-10✯	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.95	2.75
42892	✦	6264LP-12✯	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.75	2.49
42921	✦	6264P-10✯	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.75	2.49
42930	✦	6264P-12✯	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.49	2.25
114278	DAL	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	14.95	12.95
114307	DAL	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	11.95	10.95
242376	✦	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch.	1.95	1.75
177113	DAL	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	13.95	12.95
114323	DAL	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	12.95	11.95
41970	✦	43256-10L✯	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.95	3.75
41988	✦	43256-12L✯	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.75	3.49
75037	✦	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.95	3.49
82472	✦	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.75	2.49
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	3.49	3.25
391822	CPS	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	3.59	3.39
391890	CPS	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	1.95	1.75
42876	✦	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	2.65	2.45
42833	✦	62256LP-10✯	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	2.49	2.25
42850	✦	62256LP-12✯	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	2.25	2.05
279831	CPS	CY7C199-25VC	SOJ-28	32k x 8	256-Kbit, 5V, 25ns	1.09	.99
279857	✦	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns	.99	.79
1927457	ALM	AS6C1008-55PCNℛ	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp	3.95	3.75
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	1.95	1.75
391996	CPS	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	1.49	1.25
131810	✦	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	6.95	5.95
103982	✦	628128LP-85✯	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	4.95	4.49
1927617	ALM	AS6C4008-55PCNℛ	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp	5.95	5.49
242448	✦	BS62LV4006PIP-55	PDIP-32	512k x 8	4M LP, 55ns, 2.4-5.5V, I-temp	18.95	16.95
157358	✦	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	17.95	15.95
280049	✦	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Asynch.	2.95	2.49

✯ Pull = Extra Savings

DRAM

Please Note: Manufacturer may vary

★Web Code: DRM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
41339	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	$.99	$.89	$.79
41662	4164-150✯	DIP-16	64k x 1	150ns (MCM6665-15)	.99	.89	.79
41574	41464-10✯	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.59	1.45
41398	41256-120✯	DIP-16	256k x 1	120ns (MB81256-12)	.79	.69	.59
128688	HM514260AJ7✯	SOJ-40	256k x 16	70ns	1.95	1.49	1.25
42219	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	1.95	1.49	1.25

✯ Pull = Extra Savings

★SDRAMs Available Online — Enter Web Code RAY

◉ ALM = Alliance Memory | ATM = Atmel Semiconductor | CPS = Cypress Semiconductor | DAL = Dallas Semiconductor | ST = ST Micro | ✦ Major Brands

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

For Package Illustrations See Page 2

Memory, Supervisory, PAL/GAL/PEELs & Microcontrollers

Legacy Intel® Desktop Processors

★Web Code: ITL

Part No.	Description	Speed (MHz)	Package	1	10
183100	Intel Pentium® II processor	400	Slot 1	**$19.95**	**$15.95**
190060	Intel Pentium® II w/ heat sink	233	Slot 1	**12.95**	**9.95**
140054	Intel Pentium MMX® processor✭	200	376/PGA	**10.95**	**8.95**
130841	Intel Pentium® processor	166	296/PGA	**4.95**	**3.95**

✭ Pull = Extra Savings

Memory Modules

Please Note: Manufacturer may vary

★Web Code: GAG

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
148460	8MBX36-60	32MB	60ns SIMM	8M x 36	72	**$12.95**	**$9.95**
75096	P362000-XX-6	8MB	60ns SIMM	2M x 36	72	**6.95**	**5.95**
130729	JEEDO7208	8MB	60ns SIMM EDO	2M x 32	72	**.99**	**.79**
75133	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	**4.95**	**3.95**

Flash Memory

Please Note: Manufacturer may vary

★Web Code: KAJ

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	**$2.49**	**$2.09**	**$1.75**
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	**3.95**	**3.75**	**3.49**
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	**4.25**	**3.95**	**3.75**
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	**4.49**	**4.25**	**3.95**
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	**4.25**	**3.95**	**3.75**
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	**4.75**	**4.25**	**3.95**
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	**4.95**	**4.49**	**4.25**

★Zilog Flash MCUs Available Online — Enter Web Code JAF

Dallas Semiconductors

★Web Code: QDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
114198	DS1210	DIP-8	NV controller chip	**$3.95**	**$3.25**	**$2.49**
114219	DS1213C	DIP-28	Smart socket	**21.95**	**19.95**	**18.95**
133410	DS1216C	DIP-28	Smart watch/RAM	**25.95**	**22.95**	**17.95**
114331	DS1232LP	DIP-8	Micromonitor chip	**1.95**	**1.65**	**1.29**
697231	DS1243Y-120+ℛ	DIP-28	64k NV SRAM w/ phantom clock	**17.95**	**15.95**	**14.25**
133444	DS1286	DIP-28	Watchdog timekeeper	**19.95**	**17.95**	**15.95**
76646	DS1287	DIP-24	Real time clock chip	**7.95**	**7.25**	**6.49**
176778	DS1302	DIP-8	Trickle charge time keeping	**3.25**	**2.39**	**1.69**
780481	DS1302+ℛ	DIP-8	Trickle charge time keeping chip, C-temp	**3.49**	**2.49**	**1.79**
1194679	DS1307ℛ	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	**3.49**	**2.75**	**1.75**
1194695	DS1307Nℛ	DIP-8	5V, 64 x 8 serial I2C real time clock, I-temp	**2.95**	**2.25**	**2.05**
114382	DS1620	DIP-8	Digital thermometer and thermostat	**5.95**	**4.95**	**3.49**
865936	DS18B20ℛ	TO-92	Prog. resolution 1-wire digital thermometer	**3.95**	**2.49**	**2.19**
133452	DS12887	DIP-24	Real time clock chip	**6.95**	**5.95**	**4.95**

Supervisory

★Web Code: SCT

Part No.	Mfr. Part No.	Pkg.	Description	1	10
884897	MAX691ACPE	DIP-16	µP supervisory circuit (C-temp)	**$3.95**	**$2.95**

MPU Supervisory

Please Note: Manufacturer may vary

★Web Code: PAN

Part No.	Product No.	Pkg.	Description	1	10	100
106219	MAX690CPA	DIP-8	Watchdog timer, 4.4V	**$4.95**	**$4.49**	**$3.49**
1802620	ADM705ANZℛ	DIP-8	Low cost microprocessor	**.75**	**.65**	**.45**

★CPLDs and FPGAs Available Online — Enter Web Code SAZ

IC Accessories

✳ **Order in multiples of 10**

Part No.	Product No.	Description	1	10
13864	CF2	Conductive foam (12" x 24" x .25") hard black	**$11.95**	**$10.95**
29516	RIC20	.300" anti-static rail for 8, 14, 16, 18, 20 & 22-pin ICs	**.25**	**.22**
29524	RIC220	.600" anti-static rail for 24, 28, 36 & 40-pin ICs	**.29**	**.25**
29583	RRS	Storage tube rubber stopper	✳	**.07**

Additional Anti-Static Products, IC Accessories and Tools see page 146

PALs, GALs & PEELs

★Web Code: YAD

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10
28020	✦	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	**$1.95**	**$1.75**
111667	✦	PAL16R6ANC	DIP-20	TTL, 32 x 64 AND array	**.29**	**.22**
652615	✦	GAL16V8-7	DIP-20	7ns 64 x 32 AND array	**2.95**	**2.75**
88399	✦	GAL16V8-10*	DIP-20	10ns 64 x 32 AND array	**2.75**	**2.49**
37452	✦	GAL16V8-15*	DIP-20	15ns 64 x 32 AND array	**2.49**	**2.25**
37461	✦	GAL16V8-25*	DIP-20	25ns 64 x 32 AND array	**2.49**	**2.25**
876539	LAT	GAL16V8D-25LP	DIP-20	25ns 64 x 32 AND array	**2.49**	**2.25**
38658	✦	GAL20V8-15**	DIP-24	15ns 64 x 40 AND array	**1.59**	**1.45**
105996	ANA	22CV10AP-25	DIP-24	25ns 132 x 44 AND array, PEEL	**3.95**	**3.75**
39159	✦	GAL22V10-15	DIP-24	15ns 132 x 44 AND array	**3.75**	**3.49**
39167	✦	GAL22V10-25	DIP-24	25ns 132 x 44 AND array	**2.95**	**2.75**
2065633	LAT	LC4128V-75TN100Cℛ	TQFP-100	333MHz 128mc 3.3V	**8.95**	**6.95**

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6,16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

Voice Chip

★Web Code: XAU

Single-Chip Voice Record/Playback Device

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated
- 28-pin DIP
- Typical 100k record cycles, 1µA standby current and 100 year message retention

Part No.	Mfr. Part No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	**$6.95**	**$6.25**	**$5.49**

Microcontrollers

★Web Code: PAV

Part No.	◉Mfr.	Mfr. Part No.	Pkg.	Description	1	10
145040	MCH	PIC12C508A-04/Pℛ	DIP-8	512 OTP, 4MHz, 5 I/O, C-temp	**$.95**	**$.85**
144258	MCH	PIC12C509A-04/Pℛ	DIP-8	1k OTP, 4MHz, 5 I/O, C-temp	**.95**	**.85**
145058	MCH	PIC12C509A/JW	DIP-8	1k EPROM, 41-bit, 4MHz, 5 I/O	**5.95**	**4.95**
193463	MCH	PIC12C672-04/P	DIP-8	2k OTP, 128-bit, 4MHz, 6 I/O	**1.49**	**1.25**
248145	MCH	PIC12CE674-10/P	DIP-8	2k OTP, 128-bit, 10MHz, 5 I/O	**1.95**	**1.75**
223790	MCH	PIC12F629-I/Pℛ	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	**.95**	**.89**
223781	MCH	PIC12F675-I/Pℛ	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	**.99**	**.95**
312514	MCH	PIC12F683-I/Pℛ	DIP-8	2k flash, 20MHz, 6 I/O, I-temp	**1.39**	**1.29**
128338	MCH	PIC16C54A-04/Pℛ	DIP-18	512 OTP, 4MHz, 12 I/O, C-temp	**1.39**	**1.29**
247214	MCH	PIC16C54C-20I/P	DIP-18	512 OTP, 25-bit, 20MHz, 12 I/O	**1.25**	**.95**
193341	MCH	PIC16C57C-04/Pℛ	DIP-28	2k OTP, 4MHz, 20 I/O, C-temp	**1.95**	**1.75**
200424	MCH	PIC16C66-04/SP	DIP-18	8k OTP, 368-bit, 4MHz, 22 I/O	**3.95**	**2.95**
247484	MCH	PIC16C67-20/P	DIP-40	8k OTP, 368-bit, 20MHz, 33 I/O	**3.95**	**2.95**
247695	MCH	PIC16C72A-20I/P	DIP-28	2k OTP, 128-bit, 20MHz, 22 I/O	**2.95**	**2.25**
193359	MCH	PIC16C711-04/Pℛ	DIP-18	1k OTP, 4MHz, 13 I/O, C-temp	**1.95**	**1.75**
247599	MCH	PIC16C711-20I/Pℛ	DIP-18	1k OTP, 68-bit, 20MHz, 13 I/O	**2.25**	**1.95**
247601	MCH	PIC16C711-20/SO	SOIC-18	1k OTP, 68-bit, 20MHz, 13 I/O	**1.95**	**1.49**
145111	MCH	PIC16F84A-04/Pℛ	DIP-18	1k flash, 4MHz, 13 I/O, C-temp	**3.55**	**3.45**
193332	MCH	PIC16F84A-20/Pℛ	DIP-18	1k flash, 20MHz, 13 I/O, C-temp	**3.95**	**3.75**
246861	MCH	PIC16F84A-20I/Pℛ	DIP-18	1k flash, 20MHz, 13 I/O, I-temp	**4.49**	**4.19**
247097	MCH	PIC16F87-I/Pℛ	DIP-18	4k flash, 20Mhz, 16 I/O, I-temp	**2.95**	**2.49**
312733	MCH	PIC16F88-I/Pℛ	DIP-18	4k flash, 20Mhz, 16 I/O, I-temp	**3.25**	**2.95**
193439	MCH	PIC16F627-20/Pℛ	DIP-18	1k flash, 20MHz, 16 I/O, C-temp	**2.95**	**2.49**
193447	MCH	PIC16F628-20/Pℛ	DIP-18	2K flash, 20MHz, 16 I/O, C-temp	**3.25**	**2.95**
246756	MCH	PIC16F628-20I/Pℛ	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	**3.59**	**3.45**
223749	MCH	PIC16F630-I/Pℛ	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	**1.29**	**1.19**
247142	MCH	PIC16F648A-I/Pℛ	DIP-18	4k flash, 20Mhz, 16 I/O, I-temp	**2.15**	**1.95**
223757	MCH	PIC16F676-I/Pℛ	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	**1.39**	**1.29**

Continued on next page

◉ ANA = Anachip | LAT = Lattice Semiconductor | MCH = Microchip | ✦ Major Brands

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Microcontrollers & BASIC Stamps

Microcontrollers (Continued)

★Web Code: PAV

Part No.	●Mfr.	Mfr. Part No.	Pkg.	Description	1	10
312590	MCH	PIC16F684-I/Pℛ	DIP-14	2k flash, 20MHz, 12 I/O, I-temp	$1.55	$1.39
312611	MCH	PIC16F688-I/Pℛ	DIP-14	4k flash, 20MHz, 12 I/O, I-temp	1.95	1.75
2127523	MCH	PIC16F690-I/Pℛ	DIP-20	7k flash, 20MHz, 18 I/O	1.89	1.75
223765	MCH	PIC16F818-I/Pℛ	DIP-18	1k flash, 20MHz, 16 I/O, I-temp	2.09	1.95
247071	MCH	PIC16F819-I/SS	SSOP-20	256-bit, 2k flash, 20MHz, 16 I/O	1.95	1.49
223773	MCH	PIC16F819-I/Pℛ	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	1.95	1.75
246895	MCH	PIC16F870-I/SPℛ	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	2.95	2.75
246941	MCH	PIC16F872-I/SPℛ	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	2.95	2.75
246975	MCH	PIC16F873A-I/SPℛ	DIP-28	4k flash, 20MHz, 22 I/O, I-temp	3.95	3.75
193367	MCH	PIC16F876-20/SPℛ	DIP-28	8k flash, 20MHz, 22 I/O, C-temp	5.95	5.75
247011	MCH	PIC16F876A-I/SPℛ	DIP-28	8k flash, 20MHz, 22 I/O, I-temp	4.49	4.35
247046	MCH	PIC16F877A-I/Lℛ	PLCC-44	8k flash, 20MHz, 33 I/O, I-temp	5.65	5.45
176882	MCH	PIC16F877-20/Pℛ	DIP-40	8k flash, 20MHz, 22 I/O, C-temp	5.65	5.45
247038	MCH	PIC16F877A-I/Pℛ	DIP-40	8k flash, 20MHz, 33 I/O, I-temp	4.85	4.69
2127531	MCH	PIC16F886-I/Pℛ	DIP-28	14k flash, 20MHz, 25 I/O	1.95	1.85
2127540	MCH	PIC16F887-I/Pℛ	DIP-40	14k flash, 20MHz, 35 I/O	2.15	2.05
247880	MCH	PIC17C42A-16/L	PLCC-44	2k OTP, 232-bit, 16MHz, 33 I/O	5.95	4.95
247919	MCH	PIC17C44-33/Pℛ	DIP-40	8k OTP, 454-bit, 33MHz, 33 I/O	7.95	5.95
247943	MCH	PIC17C756A-33I/L	PLCC-68	16k OTP, 902-bit, 33MHz, 50 I/O	9.95	7.95
247951	MCH	PIC17C762-16/L	PLCC-44	8k OTP, 678-bit, 33MHz, 66 I/O	10.95	8.95
247960	MCH	PIC17C766-33I/L	PLCC-84	16k OTP, 902-bit, 33MHz, 66 I/O	10.95	8.95
200491	MCH	PIC18C242-I/SP	DIP-28	16k OTP, 512-bit, 40MHz, 23 I/O	3.95	2.95
247994	MCH	PIC18F252-I/SPℛ	DIP-28	32k flash, 40MHz, 23 I/O, I-temp	5.39	5.25
248081	MCH	PIC18F442-I/L	PLCC-44	768-bit, 8k flash, 40MHz, 34 I/O	4.95	3.95
312477	MCH	PIC18F448-I/L	PLCC-44	768-bit, 16k flash, 40MHz, 33 I/O	5.95	4.95
248031	MCH	PIC18F452-I/Pℛ	DIP-40	32k flash, 40MHz, 34 I/O, I-temp	5.95	5.75
248057	MCH	PIC18F458-I/Pℛ	DIP-40	32k flash, 40MHz, 33 I/O, I-temp	6.95	6.49
248111	MCH	PIC18F1320-I/Pℛ	DIP-18	8k flash, 40MHz, 16 I/O, I-temp	4.09	3.95
312303	MCH	PIC18F2525-I/SPℛ	DIP-28	48k flash, 40MHz, 25 I/O, I-temp	6.49	6.25
248330	ATM	ATMEGA8-16PI	DIP-28	8k flash, 16MHz, 23 I/O, I-temp	4.75	4.25
765302	ATM	ATTINY13-20PUℛ	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	2.25	2.05
168874	ATM	AT89C2051-24PUℛ	DIP-20	2k flash, 24MHz, 15 I/O, C-temp	1.49	1.35
204089	ATM	AT89C4051-24PC	DIP-20	4k flash, 24MHz, 15 I/O, C-temp	2.45	2.15
689039	ATM	ATTINY2313V-10PUℛ	DIP-20	2k flash, 10MHz, 18 I/O, I-temp	2.49	2.25
1537061	ATM	ATTINY2313-20PUℛ	DIP-20	2k flash, 20MHz, 18 I/O, I-temp	2.95	2.49
323141	ATM	ATMEGA8515-16PC	DIP-40	8k flash, 16MHz, 35 I/O, C-temp	4.95	4.75
395621	ATM	ATMEGA8515L-8PC	DIP-40	8k flash, 8MHz, 35 I/O, C-temp	3.75	3.49
168911	ATM	AT89C51-24JC	PLCC-44	4k flash, 24MHz, 32 I/O, C-temp	2.95	2.75
168903	ATM	AT89C51-24PC	DIP-40	4k flash, 24MHz, 32 I/O, C-temp	2.95	2.75
168920	ATM	AT89C52-24PC	DIP-40	8k flash, 24MHz, 32 I/O, C-temp	2.95	2.49
220871	ATM	AT89S52-24JI	PLCC-44	8k flash, 24MHz, 32 I/O, I-temp	1.95	1.75
662637	ATM	AT89S52-24PCℛ	DIP-40	8k flash, 24MHz, 32 I/O, C-temp	1.95	1.75
168946	ATM	AT89C55WD-24PC	DIP-40	20k flash, 24MHz, 32 I/O, C-temp	3.49	3.25
2139111	ATM	ATMEGA328P-PUℛ	DIP-28	32k flash, 8-bit, 20MHz, 23 I/O lines	4.95	4.49
2129334	ATM	A000048	DIP-28	32k flash, 8-bit, ATmega328, 23 I/O lines	5.49	4.95
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro, C-temp	9.95	7.95
1951035	ATM	AT89S8253-24PUℛ	DIP-40	12k flash, 24MHz, 32 I/O, I-temp	4.25	3.75
248663	TI	MSP430F1121AIPW	SSOP-20	16-bit MCU, flash, 8MHz 4k ROM, 14 I/O	1.95	1.49
1183970	CPS	CY8C24123A-24SXIℛ	SOIC-8	4k flash, 256B SRAM	1.75	1.49

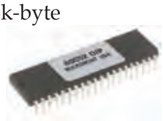
PARALLAX 50MIPS SX Microcontroller

Part No.	Mfr. Part No.	Description	1	10
162931	SX28AC/DP-Gℛ	DIP-28 50MIPS SX microcontroller	$4.95	$4.49

Micromint USA 80C52-BASIC Microcontroller

★Web Code: CAH

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.



- Full BASIC interpreter in ROM on a single chip
- Operates DC to 12MHz • "Stand-alone" software development
- On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Mfr. Part No.	Description	1	10	50
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	$33.95	$31.95	$29.95

PARALLAX Propeller Microprocessor Chip

Designed for high-speed embedded processing while maintaining low-power and low-current consumption.

Complete specifications see www.Jameco.com

Part No.	Mfr. Part No.	Package	1	10
2007134	P8X32A-D40ℛ	DIP-40	$12.95	$11.95

PARALLAX BASIC Stamp Modules

★Web Code: BSM

- **183071:** BS2 OEM Kit Z

Complete specs and photos see www.Jameco.com

Part No.	Mfr. Part No.	Package	Speed	No. of I/O Pins	1	5
127693	BS1-IC	14-pin	4MHz	8	$28.95	$26.95
183071	27291	20-pin SIP	—	—	30.95	29.95
130892	BS2-ICℛ	24-pin	20MHz	16 + 2	48.95	43.95
184911	BS2P24-ICℛ	24-pin	20MHz (turbo)	16 + 2	74.95	69.95
184920	BS2P-40-ICℛ	40-pin	20MHz (turbo)	16 + 2	88.95	79.95
159775	BS2SX-ICℛ	24-pin	50MHz (turbo)	16 + 2	58.95	52.95

See page 173 for Parallax Boards & Kits

KAE Servo Controllers

★Web Code: YBC

Controller operates from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

323934

146472: PIC-SERVO Motion Control Chipset for DC Motors

- For DC motors with digital encoders
- 32-bit position, velocity and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chipset (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

2134467: Motion Basic Controller Chip

- Microcontroller allowing the creation of simple stand-alone motion control programs • Controls up to 8 PIC control board modules

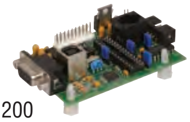
2134441: PIC-STEP Motion Controller Chip

- High speed indexer for stepper motor control systems
- Speeds up to 50,000 steps per second are suitable for micro stepping

Part No.	Mfr. Part No.	Package	1	10	50
146472	KAE-T0V4-DPS	DIP-28/18, 0.3"	$35.95	$34.49	$32.95
323934	KAE-T0V10-DP	DIP-28, 0.3"	29.95	28.49	26.95
2134467	KAE-MBV1-DP	DIP-28, 0.3"	28.95	26.95	24.95
2134441	KAE-T3V1-SO	SOIC-28, 0.3"	25.95	23.95	21.95

KAE Smart Serial Adapter

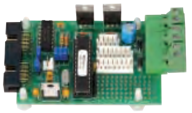
Serial Converter/Stand Alone Host Controller



- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- May be used as a stand alone host with either the simple sequencer chip or a PIC18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2

Part No.	Mfr. Part No.	Description	1	5
1586120	KAE-SSA485-BDV2	Smart serial adapter	$99.95	$94.95

KAE PIC-I/O General Purpose I/O Controller



- Allows the addition of general purpose I/O capabilities to your motion conrol system
- Controller: PIC digital and analog I/O
- 12 digital I/O pins programmable as inputs or outputs
- Three 8-bit analog inputs
- Two PWM output channels with high current (5 amp) drivers

Part No.	Mfr. Part No.	Description	1	5
2134475	KAE-T2V1-BDV	General purpose I/O controller	$115.95	$109.95

● ATM = Atmel Semi | CPS = Cypress Semi | DAL = Dallas Semi | MCH = Microchip | TI = Texas Instruments

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Ethernet Controller

★Web Code: LAE

Fully Hardwired Network Protocol Embedded

- Designed for high speed embedded systems
- High speed data communication over 50Mbps
- MAC & PHY embedded
  Internal 128K bytes memory for data communication

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
2132488	W5300	LQFP-100	Ethernet controller	$5.35	$5.15	$4.95

Tiny Logic® Series

Order in multiples of 10

Part No.	Mfr. Part No.	Pkg.	Description	10	100
873830	NC7SU04M5Xℛ	SOT-23/5	Single unbuffered inverter	$.07	$.05

Interface Series

★Web Code: RBU

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10
832448	✦	DS26LS32ACM/NOPBℛ	SOIC-16	Quad differential line receiver	$.59	$.49
1291647	MCH	TC4420CPAℛ	DIP-8	6A high speed MOSFET driver	1.39	1.15
313437	✦	ICM7218AIJI	DIP-28	5V, 8 digit LCD driver	4.95	3.95
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	7.95	6.95
313322	✦	ICM7228AIPI	DIP-28	5V, 8 digit LCD driver	7.95	7.49
241875	✦	FAN8082	DIP-8	18V, bi-directional DC motor driver	.99	.89
50884	✦	SN75154N	DIP-16	5-12V, quad line receiver	.29	.19
277940	✦	SN75179BP	DIP-8	5V, diff line driver/receiver	1.39	1.19
277974	✦	SN75183Nℛ	DIP-14	5V, dual diff line driver	.99	.69
51027	✦	SN75451AN	DIP-8	7V, dual peripheral AND driver	.55	.45
51131	✦	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.49

★Ethernet Controllers Available Online — Enter Web Code LAE

★Interface Controllers Available Online — Enter Web Code HAS

Digital Interface

★Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
171951	PDN702ℛ	DIP-18	Serial LCD interface	$7.19	$6.75	$6.25
171969	PDN1144ℛ	DIP-18	Keypad encoder	5.19	4.95	4.75
141532	PDN1200ℛ	DIP-18	Unipolar stepper motor controller	6.39	6.15	5.95
157526	PDN1204ℛ	DIP-18	Bipolar stepper motor controller	6.39	6.15	5.95
321736	PDN2008ℛ	DIP-18	Pushbutton debouncer w/ 8-independent chan	4.19	3.95	3.75
321761	PDN2208/Pℛ	DIP-18	8-pushbutton momentary to toggle	4.19	3.95	3.75

Stepper Motor Drivers/Controllers

★Web Code: GDP

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
288067	ST	L297/1	DIP-20	Stepper motor controller, 5V	$8.95	$7.95	$6.95
245403	ST	L298N	MW-15	Dual full-bridge driver, 46V	2.75	2.49	2.35
288091	ST	L6202	DIP-18	DMOS full-bridge driver, 48V	6.95	6.25	5.49
288104	ST	L6203	MW-11	DMOS full-bridge driver, 48V	7.49	6.95	6.25

★Motion Control Available Online — Enter Web Code DEU

Motor/Display Drivers

★Web Code: DAD

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
1762681	ALL	UDN2981A-Tℛ	DIP-18	8-channel source driver	$1.79	$1.59	$1.39
24230	NSC	LM3914N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
300003	NSC	LM3914N-1	DIP-18	25V, dot/bar display driver	2.25	1.85	1.59
901010	NSC	LM3914N-1/NOPBℛ	DIP-18	25V, dot/bar display driver	2.35	1.95	1.69
24256	NSC	LM3915N	DIP-18	25V, dot/bar display driver	2.95	2.75	2.49
901061	NSC	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar disp. dvr	2.75	2.25	1.95
24272	NSC	LM3916N	DIP-18	3-25V, dot/bar display driver	2.75	2.49	2.25
2126299	HIT	HA13426	SP-23TA	3 phase motor driver	1.95	1.75	1.25
241824	MOT	MC14489BP	DIP-20	5V, 7-segment LED display driver	4.75	4.25	3.49
2129959	TI	SN65512CN	DIP-20	Dot/vacuum fluorescent display driver	.49	.45	.39

Buffer

★Web Code: WBR

Part No.	Product No.	Pkg.	Description	1	10	100
23051	LH0002CN	DIP-10	General purpose buffer	$12.95	$11.95	$10.95

RS-232 Drivers/Receivers

★Web Code: EAV

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
142535	✦	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	$2.95	$2.25	$1.59
244232	✦	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	1.95	1.49	1.25
282790	MAX	MAX211CAI	SSOP-28	5V, w/ 0.1µF ext. caps.	1.95	1.49	.95
24811	✦	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	1.85	1.65	1.25
24812	✦	MAX232CPEℛ	DIP-16	5V, 200kbps, multichannel	1.95	1.75	1.35
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.49	2.09	1.59
256401	✦	MAX232DRℛ	SOIC-16	5V, 120kbps, dual driver/rcvr	.75	.65	.55
698576	TI	MAX232Nℛ	DIP-16	Dual EIA-232 driver/receiver, C-temp	.79	.69	.59
903277	TI	MAX232INℛ	DIP-16	Dual EIA-232 driver/receiver, I-temp	.89	.79	.69
106163	✦	MAX233CPP	DIP-20	5V, 120kbps, multichannel	5.95	5.49	4.75
106171	✦	MAX235CPG	DIP-24	5V, 120kbps, multichannel	8.95	7.95	6.95
106180	✦	MAX238CNG	DIP-24	5V, 120kbps, multichannel	5.95	4.95	3.75
23157	✦	DS1488N*	DIP-14	15V, quad line driver	.45	.39	.35
16379	✦	DS14C89N	DIP-14	5V, quad line receiver	.49	.45	.39
235301	✦	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/rcvr	1.25	1.05	.85
23181	✦	SN75189N*	DIP-14	5V, quad line receiver	.45	.39	.35
25099	✦	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/rcvr	2.49	2.25	1.95
929207	ON	MC100EP17DWGℛ	SOIC-20	Quad differential driver/receiver	9.95	7.95	5.95

*10 pcs. in Linear series IC cabinet kit, pg 14

RS-422/423/485 Drivers/Receivers

★Web Code: NBT

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
299807	✦	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	$2.25	$1.59	$1.49
244195	✦	MAX1487CPA	DIP-8	RS-485/422 LP transceiver, 12V	2.25	1.75	1.55
39571	✦	26LS30	DIP-16	RS-422/423 line driver, 5V	2.49	2.25	1.95
39600	✦	26LS32	DIP-16	RS-422/423 quad diff. line receiver, 5V	.49	.39	.29
50948	✦	SN75174N	DIP-16	RS-422 quad diff. line driver w/ 3 st.	1.29	1.19	1.09
50956	✦	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V	1.29	1.19	1.09
758364	TI	SN75176APℛ	DIP-8	RS-422 differential bus transceiver	.69	.59	.45
50964	✦	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.69	.59	.45

Comparators

★Web Code: EBS

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
311044	NSC	LM111J-8	DIP-8	Voltage comparator	$4.95	$3.95	$2.95
282087	✦	LM139J	CDIP-14	Low power, low offset volt quad	2.49	2.25	1.95
23528	✦	LM311N*	DIP-8	Voltage comparator	.29	.25	.19
902522	TI	LM311DRℛ	SOIC-8	Differential comparator w/ strobes	✳	.07	.05
143888	✦	LM339ANℛ	DIP-14	Low power quad comparator	.29	.25	.19
23851	✦	LM339N**	DIP-14	Quad comparator	.25	.22	.17
826742	TI	LM339Nℛ	DIP-14	Quad differential comparator	.29	.25	.22
120900	✦	LM392N	DIP-8	Low power op amp./volt comp.	1.09	.99	.89
212177	✦	LM393ANℛ	DIP-8	Low power low offset volt quad comp.	.29	.25	.19
24281	✦	LM393N*	DIP-8	Dual comparator	.25	.22	.17
297844	MAX	MAX902CSD	SOIC-14	Hi-speed low power precision volt comp.	3.95	2.95	1.95
1944741	ST	TS3721IN	DIP-8	LP dual CMOS volt (I-temp)	✳	.09	.05
277173	NSC	LMC7211AIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	.49	.39	.29
277190	NSC	LMC7211BIM	SOIC-8	Comp w/ rail-to-rail input, push pull output	.49	.39	.29

*10 pcs./**20 pcs. included in Linear kit, pg 14

Power Management

★Web Code: PMT

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10
312848	TI	BQ2004PNℛ	DIP-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	$1.95	$1.49
312928	TI	BQ2018TS-E	TSSOP-8	Rechargeable battery power monitor	1.95	1.75
312936	TI	BQ2019PWℛ	TSSOP-8	Rechargeable battery power monitor	1.95	1.49
312881	TI	BQ2040SN-D111	SOIC-16	Li-Ion/NiMH/NiCD gas gauge w/ smbus	2.95	1.95

● ALL = Allegro Micro Systems | HIT = Hitachi | MAX = Maxim Semi | MCH = Microchip | MOT = Motorola | NSC = National | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ✦ Major Brands

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Encoders/Decoders

★Web Code: VAR

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
243408	✦	TP3054N	DIP-16	U-law PCM CODEC & filter, 5V	$1.25	$1.05	$.85
296702	MOT	MC145026P	DIP-16	Encoder, 4.5-18V	2.95	2.75	2.49
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	1.95	1.75	1.49
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	1.75	1.55	1.35
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.65	1.45	1.25
243483	MCH	HCS512-I/P	DIP-18	Code hopping decoder, 4-6V	2.95	2.49	1.95
287945	MCH	MCP2140-I/P	DIP-18	Standard protocol stack controller, 3-5V	1.49	1.25	.95
287970	MCH	MCP2150-I/SO	SOIC-18	Standard protocol stack controller, 3-5V	2.95	2.49	1.95

A/D & D/A Converters

★Web Code: QAG

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
277149	MAX	MAX110ACWE	SOIC-16	A/D, 14-bit, 5V, 50sps, 2-ch	$5.95	$4.95	$3.95
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	9.95	8.49	8.25
277122	MAX	MAX110BCWE	SOIC-16	A/D, 14-bit, 5V, 50sps, 2-ch	4.95	3.95	2.95
289545	TI	TLC540IDW	SOIC-20	A/D, 8-bit, 5V, 75Ksps	1.95	1.49	1.25
289553	TI	TLC540IFN	PLCC-20	A/D, 8-bit, 5V, 75Ksps	1.95	1.49	.95
289596	TI	TLC541IDW	SOIC-20	A/D, 8-bit, 5V, 40Ksps	1.95	1.49	.95
289705	TI	TLC542IFN	PLCC-20	A/D, 8-bit, 5V, 25Ksps	.99	.89	.69
10145	NSC	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.95	3.25	2.95
10153	NSC	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.19	2.59	2.19
828342	NSC	ADC0804LCN/NOPBℛ	DIP-20	A/D, 8-bit µP compatible (±1LSB)	3.25	2.65	2.25
10170	NSC	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.95	4.49	3.75
10188	NSC	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	3.49	2.95	2.35
831031	NSC	ADC0816CCN	DIP-40	A/D, 8-bit, µP comp. ADC w/ 16-ch	6.95	5.95	4.95
10225	NSC	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	3.75	2.95	2.65
116100	NSC	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	2.49	2.09	1.75
1252488	NSC	ADC0838CCN/NOPBℛ	DIP-20	A/D, 8-bit serial, 5V, 32µs	2.75	2.25	2.05
290538	TI	TLC0832CD	SOIC-8	A/D, 8-bit, 3V, 32µs	1.49	1.25	.95
288681	TI	THS1030IDW	SOIC-28	A/D, 10-bit, 3-5.5V, 30Msps	2.95	2.49	1.95
288729	TI	THS1031IPW	TSSOP-28	A/D, 10-bit, 3-5.5V, 30Msps	2.95	2.49	1.95
1748897	LTC	LTC1403AIMSE-1ℛ	MSOP-10	A/D, 14-bit, 2.8Msps samp ADC	5.95	4.95	3.95
289001	TI	TLC1541CDW	SOP-20	A/D, 10-bit, 5V, 32Ksps	2.95	2.49	1.95
289078	TI	TLC1542CDW	SOP-20	A/D, 10-bit, 5V, 26µs, 11-ch	1.49	1.25	.95
289271	TI	TLC1543QDB	SSOP-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-ch	1.95	1.49	1.25
289300	TI	TLC1543QDW	SOIC-20	A/D, 10-bit, 6.5V, 5V, 26µs, 11-ch	1.95	1.49	1.25
288593	TI	PCM1800E	SSOP-24	A/D, 20-bit, 5V, 32-48KHz, 2-ch	1.95	1.75	1.49
288622	TI	PCM1801U	SOIC-14	A/D, 20-bit, 5V, 32-48KHz, 2-ch	1.95	1.49	1.25
290634	TI	TLV2543CDW	SOIC-20	A/D, 12-bit, 3.3V, 10µs, 11-ch	2.95	2.49	1.95
288016	MCH	MCP3302-CI/SL	SOIC-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	1.49	1.25	.95
288024	MCH	MCP3302-CI/ST	TSSOP-14	A/D, 13-bit, 2.7-5.5V, 50-100Ksps, 2-ch	1.95	1.49	1.25
43756	✦	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ±5V	2.75	2.49	2.25
875683	INS	ICL7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 6V	2.95	2.65	2.35
115158	ADI	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-ch	11.95	10.95	9.95
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Msps, triple	.49	.39	.35
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.55	1.25	.95
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.75	1.49	1.19
14963	NSC	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	5.95	5.25	4.49
290781	TI	TLV5604ID	SOIC-16	D/A, 10-bit, 2.7-5.5V, 20MHz, 4-ch	2.95	2.49	1.95
290853	TI	TLV5613IPW	TSSOP-20	D/A, 12-bit, 2.7-5.5V, 3-7µs, 1-ch	1.95	1.49	1.25
290933	TI	TLV5614CPW	TSSOP-16	D/A, 12-bit, 2.7-5.5V, 5.5-2.0µs, 4-ch	5.95	4.95	3.95
1783887	ADI	AD7398BRUZℛ	TSSOP-16	D/A, 12-bit, quad serial in	9.95	8.95	7.95
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.49	2.95	2.65
287380	ADI	AD9760AR	SOIC-28	D/A, 10-bit, 3-5V, 125Msps	1.95	1.49	1.25

Amplifiers

★Web Code: ANA

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1780862	AD620ANZℛ	DIP-8	Low cost, LP instrumentation amp	$6.75	$5.49	$4.75
311132	AD811AN	DIP-8	High performance, video op amp	5.95	5.25	4.75

Instrumentation Amplifier

★Web Code: NDA

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
825934	INA126PAℛ	DIP-8	µPower instrumentation amp.	$2.75	$2.49	$2.25

Audio Amps

★Web Code: MBP

Part No.	●Mfr.	Product No.	Pkg./Pins	Description	1	10	100
243678	ADI	OP275GP	DIP-8	Dual JFET audio op amplifier	$2.29	$2.09	$1.95
24037	NSC	LM380N	DIP-14	2-watt, power amplifier	1.39	1.15	.89
24088	NSC	LM383T	TO-220/5	7-watt, high power	5.95	5.49	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amplifier	1.69	1.39	1.15
193623	NSC	LM386M-1	SOIC-8	Low volt audio power amp.	.69	.59	.49
24125	NSC	LM386N-1*	DIP-8	Low voltage, 250mW/6V	.89	.75	.55
24126	NSC	LM386N-1ℛ	DIP-8	Low voltage, 250mW/6V	.95	.79	.59
839826	NSC	LM386N-1/NOPBℛ	DIP-8	Low voltage audio power amp.	.99	.85	.65
24133	NSC	LM386N-3*	DIP-8	Low voltage, 500mW/9V	.79	.65	.55
295718	NSC	LM1203N	DIP-28	RGB video amplifier	5.95	5.49	4.95
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	2.95	2.75	2.49
23270	NSC	LM1875T	TO-220/5	20-watt audio power amp.	3.15	2.95	2.75
835753	NSC	LM1875T/LB03	TO-220/5	20W audio pwr amp. (staggered leads)	3.25	2.95	2.75
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	2.95	2.49	2.25
107140	NSC	LM1881N	DIP-8	Video synchronous separator	2.59	2.09	1.75
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.95	4.49	3.95
315344	ST	TDA2040V	PWAT-5	20-watt hi-fi power	2.49	2.25	2.09
275830	TI	OPA2134PAℛ	DIP-8	High performance audio op amp.	2.95	2.49	2.25
320670	NSC	LM3886TF	TO-220/11	68-watt high-perf., isol. pkg.	5.95	4.95	4.25
192516	NSC	LM3886T	TO-220/11	68-watt high-performance	5.95	4.95	4.25
302201	NSC	LM4752T	TO-220/7	Stereo 11-watt audio power amp.	3.95	3.75	3.49
316873	MOT	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.19	1.09	.89
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	2.49	2.25	1.95

*10 pieces included in Linear kit, pg 14

Op Amps

★Web Code: WAD

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
27852	✦	OP07CP	DIP-8	Ultra-low offset voltage	$.89	$.79	$.69
252988	✦	OP07DP	DIP-8	Very low offset single bipolar	.69	.59	.49
23106	✦	LM10CLN	DIP-8	Low voltage (1.1 volt)	2.49	2.25	1.75
120715	✦	LM10CN	DIP-8	Op amp and voltage reference	2.25	2.05	1.85
1062114	TI	TL026CP	DIP-8	Diff. high-freq. amp. w/ AGC	1.75	1.49	1.25
1807439	ADI	OP27AZ/883C	DIP-8	Low noise precision op amp.	15.95	13.95	11.95
275805	TI	OPA27GP	DIP-8	Ultra-low noise precision	2.65	2.35	2.15
275784	TI	OPA27GU	SOIC-8	Ultra-low noise precision	1.49	1.25	.95
115300	✦	OP27EP	DIP-8	Low noise precision op amp.	4.49	3.75	3.25
115318	✦	OP27GP	DIP-8	Low noise precision (-40˚ to 80˚C)	2.49	1.95	1.59
1944812	ST	TL27L2IN	DIP-8	Prec. very low power CMOS dual	.39	.29	.25
33161	✦	TL062CP	DIP-8	Low power JFET op amp.	.59	.49	.45
33187	✦	TL071CP	DIP-8	Low noise JFET op amp.	.29	.25	.22
213073	✦	TL072ACPℛ	DIP-8	Low noise JFET input op amp.	.69	.59	.49
33195	✦	TL072CP*	DIP-8	Low noise JFET dual op amp.	.25	.22	.19
33216	✦	TL074CN*	DIP-14	Low noise JFET quad op amp.	.45	.39	.35
278328	TI	TLC074CN	DIP-14	Wide-band, high-output drive	.99	.89	.69
213057	✦	TL081ACP	DIP-8	JFET input, low offset w/ control	.69	.59	.49
33232	✦	TL081CP	DIP-8	JFET input, offset control	.39	.35	.29
253155	✦	TL081CDℛ	SOIC-8	JFET input, offset control	.29	.25	.22
214076	✦	TL082ACP	DIP-8	JFET input, low offset	.49	.39	.35
2002077	✦	TL082CNℛ	DIP-8	JFET input dual op amplifier	.59	.49	.39
33241	✦	TL082CP*	DIP-8	JFET input dual op amplifier	.39	.35	.29
214084	✦	TL084ACN	DIP-14	JFET input op amplifier	.49	.45	.39
193535	✦	TL084CD	SOIC-14	JFET input quad op amplifier	.45	.39	.29
33267	✦	TL084CN*	DIP-14	JFET input quad op amplifier	.39	.35	.29
143917	TI	TLC272CPℛ	DIP-8	LinCMOS precision dual op amp.	.69	.59	.49
242000	✦	TLC274ACN	DIP-14	Quad precision op amp, low offset	.39	.35	.29
245665	✦	LM301AH	TO-5/8	Operational amplifier	3.95	3.49	3.25
212151	✦	LM301AN*	DIP-8	Operational amplifier	.45	.39	.35
245673	✦	LM308AH	TO-5/8	Precision op amplifier	4.95	4.49	3.95
23464	✦	LM308N*	DIP-8	Precision op amplifier	6.95	6.25	5.49
23608	NSC	LM318N	DIP-8	Precision high speed	.89	.79	.69
212169	✦	LM324AN	DIP-14	Low power quad op amplifier	.35	.29	.25
86721	✦	LM324D	SOIC-14	Low power quad op amplifier	.29	.22	.19

*10 pcs. included in Linear cabinet kit, pg 14

●ADI = Analog Devices | HOL = Holtek | INS = Intersil | LTC = Linear Tech | MAX = Maxim | MCH = Microchip | MOT = Motorola | NSC = National | ON = ON Semi | SAM = Samsung | ST = ST Micro | TI = Texax Ins.

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

intersil | National Semiconductor | ST | MAXIM | MOTOROLA | TEXAS INSTRUMENTS | HOLTEK

Op Amps (Continued)

★Web Code: WAD

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
23683	✦	LM324N**	DIP-14	Low power quad op amplifier	$.29	$.25	$.22
826671	TI	LM324NE4℞	DIP-14	Quad op amplifier	.35	.29	.25
22904	✦	LF347N	DIP-14	Quad JFET input (wide band)	.55	.45	.39
23915	✦	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.35	.29	.25
22912	✦	LF351N	DIP-8	BIFET op amplifier	.45	.39	.35
22939	✦	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.35	.29
22971	NSC	LF356N*	DIP-8	JFET input (wide band)	.99	.85	.65
833889	NSC	LF356N/NOPB℞	DIP-8	JFET input (wide band)	1.05	.89	.69
22998	✦	LF357N	DIP-8	JFET input (wide band)	2.95	2.75	2.49
120862	✦	LM358AN	DIP-8	Low power dual (improved 358N)	.25	.22	.19
23966	✦	LM358N*	DIP-8	Low power dual op amplifier	.29	.25	.22
23018	✦	LF411CN*	DIP-8	Low offset drift JFET input	1.25	1.09	.89
835500	NSC	LF411CN/NOPB℞	DIP-8	Low-offset, low-drift JFET input	1.29	1.15	.95
23026	✦	LF412CN*	DIP-8	Low offset drift JFET input dual	1.29	1.19	.95
106681	✦	LF442CN	DIP-8	Dual low power JFET input	1.29	1.09	.89
119992	✦	LF444CN	DIP-14	Quad low power JFET input	1.65	1.39	1.25
276613	MAX	MAX474CSA	SOIC-8	Dual 10MHz single supply op amp	1.95	1.49	1.25
311221	MCH	MCP6S28-I/P	DIP-8	8-ch prog. low-gain sngl-ended rail-to-rail I/O	1.49	1.25	.95
143976	✦	LMC660CN	DIP-14	CMOS quad operational amplifier	1.75	1.45	1.25
120926	✦	LM675T	TO-220/5	Power op amplifier	5.95	5.25	4.49
1302123	✦	LM675T/LB03	TO-220/5	Power op amplifier (staggered)	4.95	3.95	3.25
24491	✦	LM733CN	DIP-14	Differential amplifier	1.09	.95	.75
24521	✦	LM741CH	TO-5/8	Op amplifier	4.95	4.49	3.95
24539	✦	LM741CN**	DIP-8	Op amplifier	.29	.25	.22
24540	✦	LM741CN℞	DIP-8	Op amplifier	.29	.25	.22
830522	TI	UA741CP℞	DIP-8	General purpose op amplifier	.39	.35	.29
840763	NSC	LM741CN/NOPB℞	DIP-8	General purpose op amplifier	.79	.59	.45
24563	✦	LM747CN	DIP-14	Dual 741 op amplifier	.79	.69	.59
239222	✦	LTC1001CN8	DIP-8	Precision op amplifier	1.95	1.49	1.25
239169	✦	LT1013CP	DIP-8	Dual precision op amplifier	1.25	1.05	.89
239177	✦	LT1014DN	DIP-14	Quad precision op amplifier	3.95	3.59	2.75
1745688	LTC	LTC1050CN8℞	DIP-8	Precision zero-drift op amp w/ interal cap	4.95	4.49	4.25
23131	✦	LM1458N*	DIP-8	Dual op amplifier	.35	.29	.25
903509	TI	MC1458P℞	DIP-8	Dual general purpose op amplifier	.35	.25	.22
1085819	TI	TLC2272CP℞	DIP-8	Advanced LinCMOS® rail-to-rail	1.39	1.29	1.09
1944839	✦	TLV2772CP	DIP-8	Hi slew rate r-r output, w/ shutdown	.99	.89	.79
12116	✦	CA3080E	DIP-8	Op transconductance amplifier	3.95	3.75	3.49
12183	✦	CA3130E	DIP-8	CMOS op amplifier	1.29	1.19	1.09
12204	✦	CA3140E	DIP-8	Bi-MOS op amplifier	1.29	1.19	1.09
24168	✦	LM3900N	DIP-14	Quad amplifier	.49	.45	.35
278176	TI	THS4082CD	SOIC-8	175MHz LP hi-speed amplifier	1.95	1.49	1.25
29356	✦	RC4136N	DIP-14	Quad op amp. (XR4136)	.39	.29	.25
251125	✦	MC4558CN	DIP-8	Wide bandwidth dual bipolar	.35	.29	.25
908246	TI	RC4558DR℞	SOIC-8	Dual general purpose op amplifier	✳	.09	.07
27385	✦	NE5532*	DIP-8	Dual low noise op amplifier	.49	.45	.39
252970	✦	NE5532AP	DIP-8	Dual lower noise op amplifier	.65	.55	.45
27406	✦	NE5534	DIP-8	Low noise op amplifier	.79	.69	.59
302076	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	3.75	3.25	2.75
302068	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	1.95	1.49	1.25
301874	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	2.69	2.25	1.95
301436	NSC	LMC6442IM	SOIC-8	Dual µpwr r-r output single supply	.99	.79	.59
126906	NSC	LMC6462AIN	DIP-8	µpwr r-r I/O CMOS op amp., lower VOS	1.49	1.25	.95
301356	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS	4.25	3.25	2.69
804682	MAX	ICL7621DCSA	SOIC-8	Dual low power op amplifier	1.25	.95	.75
1789816	ADI	AD8022ARMZ℞	MSOP-8	Dual hi speed low noise	1.95	1.49	1.25
192532	NSC	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	2.19	1.75	1.45
192533	NSC	LM13700N/NOPB℞	DIP-16	Dual op transcon. w/ diodes/buffer	1.95	1.75	1.49
871586	ON	MC33204P	DIP-14	Low voltage, rail-to-rail	.89	.69	.49
251061	ON	MC34072P	DIP-8	Single supply 3V-44V op amplifier	.99	.79	.59

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 14

Linear Series

★Web Code: FAD

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg./Pins	Description	1	10	100
25751	✦	MF10CCN	DIP-20	Gen. purpose dual active filter	$4.49	$3.59	$2.95
16301	✦	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)	5.95	5.49	4.95
239281	✦	DG201BDJ	DIP-16	Quad analog switch	1.15	1.05	.95
1341966	TI	L293DNE℞	DIP-16	Quad half-H drivers, I-temp	2.95	2.49	1.95
1342011	TI	L293NE℞	DIP-16	Quad half-H drivers, C-temp	2.39	2.15	1.59
23721	✦	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C)	2.25	1.85	1.65
23739	NSC	LM334Z	TO-92/3	Adjust current source	.79	.65	.49
23771	NSC	LM336Z-2.5	TO-92/3	Voltage reference (2.5V)	.39	.35	.29
24117	✦	LM385Z-1.2	TO-92/3	Micropwr volt. ref. diode (1.2V)	.49	.39	.29
23000	✦	LF398N	DIP-8	Sample and hold circuit	1.29	1.09	.95
309833	✦	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch	2.75	2.49	2.25
272161	✦	DG407DJ	DIP-28	Dual 8-ch multiplexer/demux.	5.49	4.95	4.49
256532	✦	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.49	1.25	.95
279540	✦	DG419DJ	DIP-8	Dual SPST (NO/NC) analog switch	1.45	1.29	1.09
33347	✦	TL431CLP	TO-92/3	Program precision reference	✳	.15	.12
33355	✦	TL494CN	DIP-16	Contrl circuit pulse-width-modulated	.45	.39	.35
86799	✦	LM555CM	SOIC-8	Timer	.39	.35	.29
27422	✦	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.25	.22	.17
27423	✦	LM555CN℞	DIP-8	Timer (MC1455P/NE555V)	.29	.25	.19
840608	NSC	LM555CN/NOPB℞	DIP-8	Timer	1.25	1.05	.85
126797	✦	LMC555CN*	DIP-8	CMOS timer	.69	.59	.45
841571	NSC	LMC555CN/NOPB℞	DIP-8	CMOS timer	1.49	1.25	.95
890091	ST	NE555N℞	DIP-8	Gen. purp. single bipolar timer	.29	.25	.22
904085	TI	NE555P℞	DIP-8	Precision timer	.39	.35	.25
761272	TI	TLC555CP℞	DIP-8	LinCMOS™ timer, C-temp	.65	.55	.49
24328	✦	LM556N*	DIP-14	Dual 555 timer	.29	.25	.22
24329	✦	LM556N℞	DIP-14	Dual 555 timer	.35	.29	.25
904114	TI	NE556N℞	DIP-14	Dual precision timer	.45	.39	.35
27473	ST	NE564N	DIP-16	High freq. phase locked loop	2.95	2.75	2.49
24352	✦	LM565N	DIP-14	Phased locked loop	2.95	2.75	2.49
24395	✦	LM567CN	DIP-8	Tone decoder	1.39	1.09	.95
27490	ST	NE571N	DIP-16	Compander, subscriber	4.49	4.25	3.95
115174	ADI	AD620AN	DIP-14	Low-cost instrument amp.	6.49	5.25	4.49
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	6.95	6.25	5.75
1805097	ADI	ADUM1201ARZ℞	SOIC-8	2 channel digital isolator	1.49	1.25	.95
118578	✦	MC1495L	DIP-14	Linear 4 quadrant multiplier	5.95	4.95	3.95
23211	✦	LM1496N	DIP-14	Balanced mod/demodulator	.69	.59	.49
34278	✦	ULN2003A*	DIP-16	Hi-volt/curr. darl. transistor array	.35	.29	.25
1147178	TI	ULN2003AN℞	DIP-16	Hi-volt/curr. darl. transistor array	.49	.45	.35
193826	✦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.49	.39	.35
34294	✦	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
34972	EXR	XR2206CP	DIP-16	Monolithic function generator	6.49	5.95	5.49
34999	✦	XR2211	DIP-14	FSK demodulator/tone decoder	1.95	1.75	1.49
280073	TI	TLE2426CLP	TO-92/3	Rail splitter prec. virtual ground	1.49	1.39	1.29
2125798	AST	AS2431	TO-92/3	Precision adjustable shunt	✳	.19	.15
34315	✦	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array	.59	.55	.49
34316	✦	ULN2803A℞	DIP-18	Hi-volt/curr. darl. transistor array	.65	.59	.55
700664	TI	ULN2803AN℞	DIP-18	Darlington transistor array, I-temp	.79	.69	.59
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.75	1.39	1.19
23317	NSC	LM2907N	DIP-14	Frequency to volt converter	1.75	1.49	1.25
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.95	1.75	1.49
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.95	1.75	1.49
12079	✦	CA3046N	DIP-14	NPN transistor array	1.49	1.39	1.25
12159	✦	CA3086N	DIP-14	NPN transistor array	1.95	1.75	1.49
1797605	ADI	ADG3123BRUZ℞	TSSOP-20	8-channel CMOS logic	1.95	1.49	1.25
31974	✦	SG3524N	DIP-16	Regulating pulse width modulator	.69	.59	.49
25275	✦	MC4044P	DIP-14	Frequency phase detector	6.95	5.95	5.25
29372	EXR	XR4151CP-F℞	DIP-8	Volt to frequency converter	1.25	.95	.75
1944759	NXP	SAA6579	DIP-16	Radio data system demodulator	✳	.05	.03

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 14

Continued on next page

● ADI = Analog Devices | AST = Astec | EXR = EXAR | LTC = Linear Tech | MAX = Maxim | MCH = Microchip | NSC = National | NXP = NXP/Philip | ON = ON Semi | ST = ST Micro | TI = Texas Ins. | ✦ Major Brands

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Linear Series, Digital Pots, Sensors & Voltage Regulators

Linear Series (Continued)

★Web Code: FAD

Part No.	●Mfr.	Product No.	Pkg./Pins	Description	1	10	100
312135	TI	TPS6735IP	DIP-8	Fixed neg 5V 200mA invert DC/DC con	**$.99**	**$.79**	**$.59**
51140	✦	7555IPA	DIP-8	CMOS timer	**.45**	**.39**	**.35**
51174	✦	7660CPA	DIP-8	CMOS volt converter (+5 to ±5V)	**.75**	**.65**	**.55**
316646	✦	ICL7662CPA	DIP-8	Volt convrtr., 20Vin, 4.5-20V out	**2.49**	**1.75**	**1.49**
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	**5.95**	**5.49**	**4.95**
25064	ON	MC14490P	DIP-16	Hex contact bounce eliminator	**4.25**	**3.95**	**3.49**
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	**5.95**	**5.49**	**4.95**
1054684	TI	SN754410NEℛ	DIP-16	Quad half-H drivers	**1.95**	**1.75**	**1.55**

***10 pcs. in Linear cabinet kit, below**

Linear IC Kit

★Web Code: CKS

SAVE $84

84988

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003A, ULN2803A, NE5532N, 7808T, 78L12, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05, 7812T

Part No.	Description	Wt. (lbs.)	1	5
84988	480 pcs. (40 types) analog IC kit	6.0	**$189.95**	**$169.95**
130411	Refill for 84988 (480 pcs.)	1.3	**174.95**	**159.95**

Digital Potentiometers

★Web Code: JBP

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
1778367	ADI	AD5282BRU200	TSSOP-16	Dual, 256 position	**$1.95**	**$1.49**	**$1.25**
2044373	MAX	MAX5402EUAℛ	8uMAX	256-Tap, uPot, low drift	**.99**	**.79**	**.59**
241744	MCH	MCP41010-I/Pℛ	DIP-8	10kΩ, 256 steps, SPI	**1.45**	**1.35**	**1.25**
241752	MCH	MCP42010-I/Pℛ	DIP-14	10kΩ, 256 steps, 2-ch SPI	**1.95**	**1.75**	**1.49**
1777604	ADI	AD5204BN100	DIP-24	100kΩ, 256 steps, 4-ch SPI	**3.95**	**3.25**	**2.75**

★MUX/DEMUXs Available Online — Enter Web Code RAB

★Voltage References Available Online — Enter Web Code TBD

Temperature Sensors

★Web Code: WAN

Part No.	●Mfr.	Product No.	Pkg/Pins	Description	1	10	100
107094	NSC	LM34CZ	TO-92/3	Prec temp sensor (-40° to +230°F)	**$5.95**	**$5.25**	**$4.75**
193480	NSC	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F)	**1.95**	**1.75**	**1.49**
155192	NSC	LM34DZ	TO-92/3	Prec temp sensor (+32° to +212°F)	**2.25**	**1.95**	**1.49**
107107	NSC	LM35CZ	TO-92/3	Prec temp sensor (-40° to 110°C)	**4.95**	**4.15**	**3.49**
192217	NSC	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	**2.49**	**1.95**	**1.55**
155740	NSC	LM35DZ	TO-92/3	Prec temp sensor (0° to +100°C)	**1.59**	**1.25**	**.95**
301604	NSC	LM74CIBP-5	µSMD-5	12-bit + sign digital temp sensor	**.99**	**.79**	**.59**
120820	✦	LM335AZℛ	TO-92/3	Precision temperature sensor	**.99**	**.89**	**.79**
23755	✦	LM335Z	TO-92/3	Volt mode temperature sensor	**.75**	**.65**	**.55**
241939	ADI	AD590JH	TO-52/3	Two terminal IC temp transducer	**7.49**	**6.49**	**5.49**
313306	ADI	AD594AQ	DIP-14	Thermocple amp for iron-constantan	**13.95**	**13.49**	**13.25**
313293	ADI	AD595AQ	DIP-14	Thermocple amp for chromel-alumel	**14.95**	**13.95**	**12.95**
302551	DAL	DS18S20	TO-92/3	High-prec. 1-wire digital thermo	**3.95**	**3.25**	**2.25**

Hall Effect Sensors

★Web Code: REB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1718743	A1302EUA-Tℛ	SIP-3	Continuous-time ratiometric linear sensor	**$1.95**	**$1.75**	**$1.49**
2135881	A1302KUA-Tℛ	SIP-3	Continuous-time ratiometric linear sensor	**1.95**	**1.75**	**1.49**
1871879	OH180Uℛ	SIP-3	Mono IC w/ hall linear amp & sensor	**2.75**	**2.49**	**1.95**

LINEAR GRAB BAGS

See page 40 for more Grab Bags.

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18024	GB109	100 asst. linear series (NSC, Motorola, TI, etc) TO-3, 8 & 14-pin DIP, SOIC packages	0.1	**$12.95**	**$11.49**
145242	GB109LB	300 asst. linear series (NSC, Motorola, TI, etc) TO-3, 8 & 14-pin DIP, SOIC packages	0.5	**29.95**	**26.95**

Voltage Regulators

★Web Code: TAC

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg./Pins	Description	1	10	100
23499	✦	LM309K	TO-3/2	5V, 1A (0°C to +125°C)	**$5.95**	**$5.49**	**$4.95**
192268	NSC	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	**1.65**	**1.35**	**.95**
837898	NSC	LM317AT/NOPBℛ	TO-220/3	3-term. 1.5A output adj pos, I-temp	**1.69**	**1.39**	**1.15**
192276	NSC	LM317HVT	TO-220/3	3-terminal adj. (1.2V-57V)	**2.25**	**1.95**	**1.65**
23544	✦	LM317K	TO-3/2	1.5A adj. positive (1.2V-37V)	**2.75**	**2.49**	**2.25**
23552	✦	LM317LZ	TO-92/3	100mA adj. positive (1.2V-37V)	**.29**	**.25**	**.22**
23579	✦	LM317T**	TO-220/3	1.5A adj. positive (1.2V-37V)	**.35**	**.29**	**.25**
23580	✦	LM317Tℛ	TO-220/3	1.5A adj. positive (1.2V-37V)	**.49**	**.45**	**.39**
898800	NSC	LM317T/NOPBℛ	TO-220/3	Adjustable, 1.5A positive	**1.59**	**1.35**	**1.05**
23667	✦	LM323K	TO-3/2	5V, 3A positive	**4.75**	**4.25**	**3.59**
296841	✦	LM337LZ	TO-92/3	3-terminal adjustable negative	**.79**	**.69**	**.49**
898543	NSC	LM317LZ/NOPBℛ	TO-92/3	Adjustable, 100mA positive	**.69**	**.59**	**.49**
23819	✦	LM337T*	TO-220/3	1.5A/adj. neg. (-1.2V-37V)	**.49**	**.45**	**.39**
23835	✦	LM338K	TO-3/2	5A adj. positive (1.2V-32V)	**6.95**	**6.25**	**5.75**
192284	NSC	LM338T	TO-220/3	5A adjustable	**1.95**	**1.65**	**1.35**
838621	NSC	LM338T/NOPBℛ	TO-220/3	5A adjustable positive	**2.25**	**1.75**	**1.45**
900017	NSC	LM340T-5.0	TO-220/3	5V, 1A positive, I-temp	**1.29**	**1.09**	**.95**
23931	✦	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V)	**5.95**	**5.49**	**4.95**
23940	✦	LM350T	TO-220/3	3A adjustable power	**.59**	**.49**	**.45**
276517	MAX	MAX637ACSA	SOIC-8	Preset/adj output CMOS invert switch reg	**1.95**	**1.49**	**1.25**
24467	✦	LM723CN*	DIP-14	Voltage regulator (2V-37V)	**.39**	**.35**	**.29**
301719	✦	LM723H	TO-5/10	2V - 37V, 150mA adj.	**5.95**	**4.95**	**4.49**
298071	MAX	MAX755CSA	SOIC-8	-5V/adj. output. invert curr. mode PWM reg	**.99**	**.89**	**.79**
107166	NSC	LM2936Z-5.0	TO-92/3	Ultra-low quiescent current 5V	**2.25**	**1.89**	**1.65**
51246	✦	7805K	TO-3/2	5V, 1A positive (LM340K-5)	**2.49**	**2.25**	**1.95**
51262	✦	7805T**	TO-220/3	5V, 1A positive (LM340T-5)	**.29**	**.25**	**.22**
51263	✦	7805Tℛ	TO-220/3	5V, 1A positive (LM340T-5)	**.35**	**.29**	**.25**
924570	ST	L7805ACVℛ	TO-220/3	5V, 1.5A positive	**.39**	**.35**	**.29**
1130069	TI	UA7805CKCS	TO-220/3	5V, 1.5A positive	**.69**	**.59**	**.49**
924633	ST	L7805CVℛ	TO-220/3	5V, 1.5A positive	**.45**	**.35**	**.29**
786138	FSC	LM7805CTℛ	TO-220/3	5V, 1A positive, I-temp	**.45**	**.39**	**.35**
902071	NSC	LM7805CT	TO-220/3	5V, 1A positive	**1.25**	**1.15**	**.95**
876125	ON	MC7805BTGℛ	TO-220/3	5V, 1A positive, I-temp	**.35**	**.29**	**.25**
876221	ON	MC7805CT	TO-220/3	5V, 1A positive, C-temp	**.35**	**.29**	**.25**
876248	ON	MC7805CTGℛ	TO-220/3	5V, 1A positive, C-temp	**.35**	**.29**	**.25**
51182	✦	78L05**	TO-92/3	5V, 100mA positive	**.25**	**.22**	**.17**
51183	✦	78L05ℛ	TO-92/3	5V, 100mA positive	**.29**	**.25**	**.19**
973831	FSC	LM78L05ACZℛ	TO-92/3	5V, 100mA positive, I-temp	**.29**	**.25**	**.19**
1303290	NSC	LM78L05ACZ/NOPBℛ	TO-92/3	3-terminal 5V, 100mA positive	**.69**	**.55**	**.45**
192233	✦	78M05	TO-220/3	5V, 500mA positive	**.29**	**.25**	**.22**
51297	✦	7806T	TO-220/3	6V, 1A positive (LM340T-6)	**.35**	**.29**	**.25**
51300	✦	7808T*	TO-220/3	8V, 1A positive (LM340T-8)	**.35**	**.29**	**.25**
876352	ON	MC7809CTℛ	TO-220/3	9V, 2.2A positive, C-temp	**.39**	**.35**	**.29**
1958641	FSC	LM7809CTℛ	TO-220/3	9V, 2.2A positive	**.59**	**.49**	**.39**
192225	✦	78L09ACZ	TO-92/3	9V, 100mA positive	**.25**	**.22**	**.17**
51318	✦	7812K	TO-3/2	12V, 1A pos. (LM340K-12	**2.49**	**2.25**	**1.95**
51334	✦	7812T**	TO-220/3	12V, 1A pos. (LM340T-12)	**.29**	**.25**	**.22**
51335	✦	7812Tℛ	TO-220/3	12V, 1A pos. (LM340T-12)	**.35**	**.29**	**.25**
889305	ST	L7812CVℛ	TO-220/3	12V, 1.5A positive	**.39**	**.35**	**.29**
902127	NSC	LM7812CT	TO-220/3	12V, 1A positive	**.79**	**.69**	**.59**
51203	✦	78L12*	TO-92/3	12V, 100mA positive	**.25**	**.22**	**.17**
192241	✦	78M12	TO-220/3	12V, 500mA positive	✳	**.19**	**.15**
2125384	NEC	PC7815HF	TO-220/3	15V, 500mA positive	✳	**.19**	**.15**
51377	✦	7815T*	TO-220/3	15V, 1A positive (LM340T-15)	**.35**	**.29**	**.25**
51414	✦	7824T	TO-220/3	24V, 1A positive (LM340T-24)	**.35**	**.29**	**.25**
51457	✦	7905T*	TO-220/3	-5V, 1A neg. (LM320T-5)	**.35**	**.29**	**.25**
51422	✦	79L05	TO-92/3	-5V, 100mA negative	**.25**	**.22**	**.17**
2132269	✦	7906A	TO-220/3	-6V, 500mA negative	**.29**	**.25**	**.19**
51481	✦	7912T*	TO-220/3	-12V, 1A neg. (LM320T-12)	**.35**	**.29**	**.25**
51502	✦	7915T*	TO-220/3	-15V, 1A neg. (LM320T-15)	**.39**	**.35**	**.29**
316945	MOT	MC34063AP1	DIP-8	1.5 step-up/down invert sw reg	**.69**	**.59**	**.49**

***10 pcs./ **20 pcs. included in Linear kit, above left**

★Hot Swap Controllers Available Online — Enter Web Code JAX

● ADI = Analog Devices | DAL = Dallas | FSC = Fairchild | MAX = Maxim | MCH = Microchip | MOT = Motorola | NEC = NEC Corp | NSC = National | ON = ON Semi | ST = ST Micro | TI = Texas Ins.

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

Low Drop-Out Voltage Regulators

★Web Code: MBT

Part No.	●Mfr.	Product No.	Pkg./Pins	Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220/3	5A low dropout adj. pos.	**$2.95**	**$2.49**	**$1.95**
299735	NSC	LM1084IT-3.3	TO-220/3	5A low dropout 3.3V pos.	**2.75**	**2.25**	**1.95**
282757	✦	LT1085CT	TO-220/3	3A low dropout pos. adj. reg. ..	**1.75**	**1.49**	**1.25**
192305	✦	LM1086CT-3.3	TO-220/3	1.5A low dropout pos. (3.3V)	**1.09**	**.99**	**.89**
192313	✦	LM1086CT-5.0	TO-220/3	1.5A low dropout pos. (5V)	**1.75**	**1.55**	**1.35**
251782	NSC	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear	**.89**	**.69**	**.59**
242114	✦	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO	**.89**	**.79**	**.69**
242115	NSC	LM1117T-3.3/NOPBℛ	TO-220/3	800mA, 3.3V, LDO	**1.25**	**1.09**	**.95**
2126230	TI	UC2833DW	SOIC-16	2V, 1A prec. LDO reg./controller	**3.95**	**3.49**	**2.95**
897188	NSC	LM2937ET-3.3	TO-220/3	500mA, 3.3V LDO, I-temp	**1.59**	**1.35**	**1.19**
297810	NSC	LM2937ET-5.0	TO-220/3	500mA, 5V LDO	**1.59**	**1.35**	**1.19**
2132285	ST	LF80C	Pentawatt	500mA, 0.45V DOV	**.79**	**.69**	**.59**
107182	✦	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	**1.45**	**1.19**	**.89**
897381	NSC	LM2940CT-5.0/NOPBℛ	TO-220/3	1A, 5V LDO positive	**1.55**	**1.25**	**.95**
192495	NSC	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	**1.49**	**1.25**	**1.09**
837505	NSC	LM2940T-5.0/NOPBℛ	TO-220/3	1A, 5V LDO, I-temp	**1.39**	**1.19**	**1.05**
121064	✦	LM2941CT	TO-220/5	1A LDO adjustable (45Vin)	**1.39**	**1.19**	**.95**
1944880	✦	LP2950ACN	TO-92/3	100mA 5V LDO reg.	**.69**	**.59**	**.49**
1323397	NSC	LP2950ACZ-3.3/NOPBℛ	TO-92	3.3V µpwr volt. reg., I-temp	**.89**	**.79**	**.69**
266757	✦	LP2950CZ-5.0	TO-92/3	100mA low power LDO	**.69**	**.59**	**.49**
121110	✦	LP2951ACP	DIP-8	Adjustable µ power volt-reg.	**.39**	**.29**	**.19**
1315492	ON	LP2951CN-3.0	DIP-8	3V, 100mA LP LDO (I-temp)	**.29**	**.25**	**.22**
2126328	✦	AS2954-3.3	TO-92/3	3.3V, 250mA LDO	**1.95**	**1.75**	**1.59**
2135671	✦	AS2954-5.0	TO-92/3	5.0V, 250mA LDO	**1.95**	**1.75**	**1.59**
192524	✦	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	**1.65**	**1.45**	**1.25**
1119791	TI	TPS75701KTTTℛ	TO-263	Fast transient response 3A, I-temp	**1.95**	**1.49**	**1.25**
700496	TI	TPS78625KTTTℛ	TO-263	Ultra low noise, hi-PSRR 1.5A	**1.49**	**1.25**	**.95**

Simple Switcher Voltage Regulators

★Web Code: VAX

Part No.	●Mfr.	Product No.	Pkg./Pins	Description	1	10
1742524	LTC	LT1959CS8#PBFℛ	SOIC-8	4.5A, 500kHz step-down, C-temp	**$2.95**	**$2.49**
156566	✦	LM2574N-5	DIP-8	5V step-down regulator	**1.39**	**1.19**
192381	NSC	LM2576HVT-5.0	TO-220/5	3A step down V-reg, high Vin range ...	**5.75**	**4.75**
192372	NSC	LM2576HVT-ADJ	TO-220/5	3A step-down V-reg, high Vin range ...	**5.75**	**4.75**
245569	✦	LM2576T-5.0	TO-220/5	3A step-down voltage regulator	**2.75**	**2.25**
120977	✦	LM2576T-ADJ	TO-220/5	3A step-down voltage regulator	**1.95**	**1.75**
300898	NSC	LM2586S-12	TO-263/7	3A flyback regulator with shutdown ...	**1.95**	**1.49**
300871	NSC	LM2586S-5.0	TO-263/7	3A flyback regulator with shutdown ...	**1.95**	**1.49**
300821	NSC	LM2586S-ADJ	TO-263/7	3A flyback regulator with shutdown ...	**1.95**	**1.49**
300732	NSC	LM2592HVT-3.3	TO-220	2A step down voltage regulator	**1.95**	**1.49**
300265	NSC	LM2595S-ADJ	TO-263/5	1A step down voltage regulator	**1.25**	**.95**
290394	NSC	LM2599S-ADJ	TO-263/7	3A step down voltage regulator	**1.49**	**1.25**

★*Power Drivers & Modules Available Online — Enter Web Code REK*

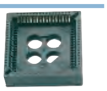
★*Switching Regulators Available Online — Enter Web Code DEN*

JAMECO ValuePro PLCC Thru-Hole Sockets

★Web Code: YAH

- Solder tail allows through-hole board patterns in .100" grid
- Thru-hole lead length: .125"
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)

71969



Part No.	Cross Ref. No.	Pins	Body Height (in.)	1	10	100
71263	G1P428	28	.375	**$.49**	**$.39**	**$.29**
71811	G1P32	32	.375	**.49**	**.39**	**.29**
71618	G1P444	44	.375	**.75**	**.65**	**.59**
71619	G1P444ℛ	44	.375	**.79**	**.69**	**.65**
72442	G1P452	52	.375	**.85**	**.75**	**.69**
71969	G1P468ℛ	68	.375	**.89**	**.79**	**.75**
71977	G1P484ℛ	84	.375	**.95**	**.85**	**.79**

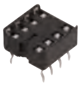
AMP DIP Low-Profile IC Sockets

★Web Code: QAF

Economy Ladder Style

- Dual wipe
- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating

683104



526205

683198

Order in multiples of 10

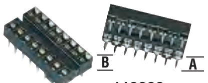
Part No.	Mfr. Part No.	Pos.	Plating	Width (ins.)	10	100	500
683091	1-390261-1ℛ	6	60µ" tin	0.3	**$.13**	**$.10**	**$.09**
526299	390261-2	8	60µ" tin	0.3	**.12**	**.09**	**.07**
683104	1-390261-2ℛ	8	60µ" tin	0.3	**.13**	**.10**	**.08**
526192	390261-3	14	60µ" tin	0.3	**.12**	**.09**	**.08**
683112	1-390261-3ℛ	14	60µ" tin	0.3	**.13**	**.10**	**.09**
526205	390261-4	16	60µ" tin	0.3	**.17**	**.11**	**.09**
683121	1-390261-4ℛ	16	60µ" tin	0.3	**.19**	**.12**	**.10**
526213	390261-5	18	60µ" tin	0.3	**.15**	**.14**	**.10**
683139	1-390261-5ℛ	18	60µ" tin	0.3	**.16**	**.15**	**.11**
526221	390261-6	20	60µ" tin	0.3	**.16**	**.15**	**.13**
683147	1-390261-6ℛ	20	60µ" tin	0.3	**.20**	**.18**	**.16**
683163	1-390261-8ℛ	24	60µ" tin	0.3	**.24**	**.22**	**.19**
683198	1-390262-1ℛ	24	60µ" tin	0.6	**.25**	**.21**	**.19**
526248	390261-9	28	60µ" tin	0.3	**.24**	**.22**	**.20**
683171	1-390261-9ℛ	28	60µ" tin	0.3	**.25**	**.23**	**.21**
526256	390262-2	28	60µ" tin	0.6	**.22**	**.19**	**.17**
683201	1-390262-2ℛ	28	60µ" tin	0.6	**.26**	**.24**	**.22**
526272	390262-5	40	60µ" tin	0.6	**.32**	**.29**	**.25**
683227	1-390262-5ℛ	40	60µ" tin	0.6	**.35**	**.33**	**.27**

Single/Dual Wipe Solder Tail Low-Profile IC Sockets

★Web Code: WAP

JAMECO ValuePro

- Contact current: 1A
- Contact resisistance: less than 5mΩ
- Dielectric withstanding voltage: 300V
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)



112222

Order in multiples of 10

Part No.	●Mfr.	Product No.	Pins	Width (ins.)	10	100	1000
112193	JVP	6LPDℛ	6	0.3	**$.13**	**$.10**	**$.08**
51571	JVP	8LPD	8	0.3	**.12**	**.09**	**.07**
112206	JVP	8LPDℛ	8	0.3	**.13**	**.10**	**.08**
37162	JVP	14LP (single wipe)	14	0.3	**.12**	**.09**	**.08**
112214	JVP	14LPDℛ	14	0.3	**.13**	**.10**	**.09**
37372	JVP	16LP (single wipe)	16	0.3	**.10**	**.08**	**.06**
37373	JVP	16LPD	16	0.3	**.17**	**.11**	**.09**
112222	JVP	16LPDℛ	16	0.3	**.19**	**.12**	**.10**
38113	JVP	18LP (single wipe)	18	0.3	**.14**	**.12**	**.09**
689952	✦	ED18DT	18	0.3	**.14**	**.12**	**.09**
112231	JVP	18LPDℛ	18	0.3	**.16**	**.15**	**.11**
38607	JVP	20LP (single wipe)	20	0.3	**.12**	**.10**	**.08**
112248	JVP	20LPD	20	0.3	**.16**	**.15**	**.13**
38608	JVP	20LPDℛ	20	0.3	**.17**	**.16**	**.14**
112256	JVP	22SLPD	22	0.3	**.09**	**.07**	**.05**
39132	JVP	22LPD	22	0.4	**.17**	**.16**	**.14**
39378	JVP	24SLPD	24	0.3	**.21**	**.19**	**.16**
112282	JVP	24SLPDℛ	24	0.3	**.22**	**.20**	**.17**
112264	JVP	24LPD	24	0.6	**.23**	**.19**	**.17**
112266	JVP	24LPDℛ	24	0.6	**.25**	**.21**	**.19**
112299	JVP	28SLPD	28	0.3	**.24**	**.22**	**.20**
112300	JVP	28SLPDℛ	28	0.3	**.25**	**.23**	**.21**
112272	JVP	28LPD	28	0.6	**.22**	**.19**	**.17**
40301	JVP	28LPDℛ	28	0.6	**.24**	**.22**	**.19**
137621	JVP	32SLPDℛ	32	0.3	**.19**	**.15**	**.12**
689979	✦	ED32DT	32	0.6	**.21**	**.19**	**.17**
112301	JVP	32LPDℛ	32	0.6	**.29**	**.25**	**.22**
41110	JVP	40LP (single wipe)	40	0.6	**.29**	**.25**	**.22**
41111	JVP	40LPD	40	0.6	**.32**	**.29**	**.25**
112311	JVP	40LPDℛ	40	0.6	**.35**	**.33**	**.27**
137622	JVP	42LPD	42	0.6	**.19**	**.15**	**.12**
112326	JVP	64LDP	64	0.9	**.19**	**.15**	**.12**

● JVP = Jameco ValuePro | LTC = Linear Tech | NSC = National Semi | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | ✦ Major Brands

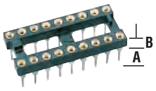
★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Machine Tooled Solder Tail Low-Profile IC Sockets

JAMECO ValuePro

★ Web Code: GBA

- Contact plating: gold • Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V$_{RMS}$
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze • Tin-plated leads
- Thru-hole lead length: .177" (A) • Body height: .117" (B)



65585

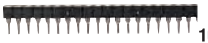
Part No.	●Mfr.	Product No.	Pins	Width (in.)	1	10	100
167004	JVP	6MLPℛ	6	0.3	$.39	$.29	$.19
51626	JVP	8MLPℛ	8	0.3	.49	.45	.29
37197	JVP	14MLPℛ	14	0.3	.65	.55	.39
37402	JVP	16MLPℛ	16	0.3	.75	.59	.45
65585	JVP	18MLPℛ	18	0.3	.89	.75	.55
38623	JVP	20MLP	20	0.3	.85	.69	.49
192209	JVP	22SMLP	22	0.4	.89	.79	.69
39386	JVP	24SMLP	24	0.3	.95	.79	.59
39387	JVP	24SMLPℛ	24	0.3	.99	.85	.65
39351	JVP	24MLP	24	0.6	1.09	.89	.65
652359	JVP	24MLP-GOLD	24	0.6	.99	.79	.55
114412	JVP	28SMLPℛ	28	0.3	1.09	.89	.65
40328	JVP	28MLP	28	0.6	1.19	.95	.69
40329	JVP	28MLPℛ	28	0.6	1.25	.99	.75
223002	JVP	324SMLPℛ	32	0.4	.49	.39	.29
105381	JVP	32MLPℛ	32	0.6	1.35	1.09	.89
662629	JVP	40MLP	40	0.6	1.35	1.09	.89
41136	JVP	40MLPℛ	40	0.6	1.69	1.39	.95
42059	JVP	48MLP	48	0.6	1.89	1.59	1.29
200707	JVP	64MLP	64	0.9	.79	.59	.39

.100" Single-In-Line Machine Tooled Strip Sockets

- Solder tail or wire wrap

JAMECO ValuePro

★ Web Code: KAM



78642

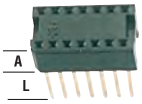
104054

Part No.	Description	Pins	Lead Length (in.)	1	10	100
164822	Straight single row	4	.160	$.75	$.65	$.59
138684	Straight single row	5	.160	.75	.65	.59
2100339	Straight single rowℛ	7	.160	.99	.89	.69
102201	Straight single rowℛ	10	.160	1.19	.95	.75
2100347	Straight single rowℛ	12	.160	.99	.89	.69
2125675	Straight single row	14	.160	1.09	.99	.89
78642	Straight single rowℛ	30	.160	1.49	1.29	.95
175920	Straight single rowℛ	36	.160	1.75	1.59	1.29
101283	WW2 single rowℛ	20	.435 (2)	2.49	2.25	1.95
104054	WW3 single rowℛ	30	.575 (3)	2.95	2.59	2.39

2 & 3 Level Wire Wrap IC Sockets

★ Web Code: SAF

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Contact current: 1A • Contact resistance: <5mΩ
- Sleeve material: brass
- Dielectric withstanding voltage: 300V
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Thru-hole lead length: .438" (L2); .638" (L3) • Body height: .300" (A)



37234

Part No.	●Mfr.	Product No.	Pins	Width (in.)	1	10	100
37218	CA	14TWW2ℛ	14	0.3	$1.75	$1.49	$1.25
37234	CA	14WW2ℛ	14	0.3	2.25	1.95	1.75
196841	JVP	14TWW3	14	0.3	1.49	1.25	.95
37437	CA	16TWW2ℛ	16	0.3	2.95	2.75	2.49
37480	CA	16WW2ℛ	16	0.3	2.95	2.75	2.49
75380	CA	20TWW2ℛ	20	0.3	3.49	3.25	2.95
38675	CA	20WW2ℛ	20	0.3	1.95	1.75	1.65
75416	CA	24TWW2	24	0.6	1.95	1.75	1.25
40353	CA	28WW2ℛ	28	0.6	3.95	3.59	3.39
41180	CA	40TWW2ℛ	40	0.6	6.95	5.95	4.95

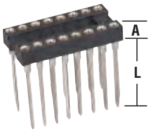
3 Level Machine Tooled Wire Wrap IC Sockets

JAMECO ValuePro

★ Web Code: FAL

JAMECO EXCLUSIVE

- Contact plating: gold
- Sleeve material: brass
- Contact resis.: <5m • Tin-plated leads
- Material: beryllium copper or phosphor bronze
- Dielectric withstanding voltage: 300V$_{RMS}$
- Insulation resistance: greater than 1000MΩ
- Body height: .115" (A) • Thru-hole lead length: .586" (L)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide



37411

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3ℛ	8	0.3	$1.49	$1.35	$1.19
62051	14MSWW3ℛ	14	0.3	1.75	1.55	1.39
37411	16MSWW3ℛ	16	0.3	2.25	1.95	1.75
94482	18MSWW3ℛ	18	0.3	2.49	2.25	1.95
38632	20MSWW3ℛ	20	0.3	2.49	2.25	1.95
105372	24SMSWW3ℛ	24	0.3	2.75	2.49	2.25
94491	24MSWW3ℛ	24	0.6	2.95	2.75	2.49
200716	283MSWW3ℛ	28	0.3	3.25	2.95	2.75
40337	28MSWW3ℛ	28	0.6	3.95	3.49	3.25
117058	32MSWW3ℛ	32	0.6	1.95	1.49	1.25
94503	40MSWW3ℛ	40	0.6	4.95	4.49	3.95

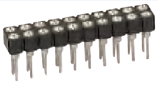
Machine Contact Dual-In-Line Female Sockets

- 0.100" centers • Pin sleeve: tin
- Solder tail contact: .114"L
- Contact clip: gold

★ Web Code: KAM

JAMECO ValuePro

184613



Part No.	Cross Ref. No.	Pins	1	10	100
212856	SA101000ℛ	10	$.95	$.85	$.75
212863	SA121000	12	.49	.39	.29
184613	SA201000ℛ	20	.49	.39	.29
212936	SA481000ℛ	48	1.25	1.09	.99

Wire Wrap IC Socket I.D. Markers

★ Web Code: YAG

- Material: plastic
- Can easily write location, part number or function
- Quick identification of pin numbers
- Slips onto socket before wrapping

51561

Part No.	●Mfr.	Mfr. Part No.	Pins	Width (in.)	1	10	100
51561	JDV	ID-8-100	8	0.3	$.59	$.49	$.39
37145	JVP	ID-14-100	14	0.3	.69	.59	.45
38586	JDV	ID-20-50	20	0.3	.95	.75	.49
40299	JDV	ID-28-25	28	0.6	.89	.69	.49

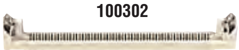
SIMM Vertical Sockets

JAMECO ValuePro

★ Web Code: WAL

- Locking tabs • Tinned contacts
- Memory module sockets • Keyed mounting posts

100302



Part No.	●Mfr.	Product No.	Description	1	10	100
100302	JVP	2000-1X30Sℛ	Single x 30-pin, vertical	$1.49	$1.35	$1.19
1954746	JVP	ES1538	Dual x 30-pin, vertical	.29	.25	.22
1954762	JVP	ES1536	Dual x 72-pin, vertical	.49	.39	.29

Low Profile ZIF Sockets

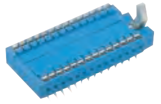
ARIES ELECTRONICS, INC.

★ Web Code: UBX

Series 526

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200μ" (5.08μm) tin plating
- Contact res.: 10mΩ max. • Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67˚F to 221˚F (-55˚C to 105˚C)
- Suggested PCB hole size: .035"Dia. (0.89mm)

102745



Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
296789	24-526-10ℛ	24	1.45 x .75	$7.95	$7.25	$6.75
102745	28-526-10ℛ	28	1.64 x .75	8.95	7.95	6.95
102753	40-526-10ℛ	40	2.24 x .75	9.95	8.95	7.95

● CA = Circuit Assembly | JDV = JDV Products Inc | JVP = Jameco ValuePro

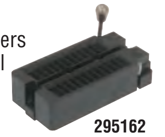
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

High Temp. Universal ZIF Test Sockets

Series 6554

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature:
  -10: 221˚F (105˚C) – tin plating
  -11: 302˚F (150˚C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS • Beryllium copper contact plating
- Stainless steel handle • Center pins: 0.600" • Insulation resistance: 1000MΩ
- Contact current: 1A • Dielectric withstanding voltage: 1000VAC

★Web Code: AAN

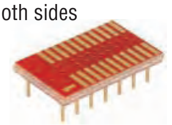

295162

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
103992	24-6554-10ℛ	24	1.8 x 0.9	$7.75	$7.25	$6.49
104003	28-6554-10ℛ	28	2.0 x 0.9	8.95	7.95	6.95
104012	32-6554-10ℛ	32	2.1 x 0.9	9.95	8.95	7.95
104030	40-6554-10ℛ	40	2.5 x 0.9	11.95	10.95	9.95
295162	28-6554-11ℛ	28	1.4 x 0.9	12.95	11.95	10.95
295233	40-6554-11ℛ	40	2.0 x 0.9	21.95	20.95	19.95

SOIC/SOJ to DIP Adapters

★Web Code: YBS

- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221˚F (105˚C) max.
- Suggested PCB hole size: 0.028"Dia. (0.71mm)
- Center pins: 0.300" (7.62mm)


291292

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	10	100
291208	08-350000-11RCℛ	8	.400 x .46	$6.95	$6.29	$5.69
291292	14-350000-11RCℛ	14	.700 x .45	6.95	6.29	5.69
291515	16-350000-11RCℛ	16	.800 x .45	6.95	6.29	5.69
291980	24-350000-11RCℛ	24	1.20 x .45	6.95	6.29	5.69

Universal SOIC to .600" DIP Adapter

Series 647

- Brass alloy female pin body with 200µ" (5.08µm) tin/lead plating • Beryllium copper 4-fingered collet contact with 10µ" (0.25µm) gold over nickel plating
- Phosphor bronze alloy male pin with 200µ" (5.08µm) tin/lead plating
- Contact current: 3A • Suggested PCB hole size: 0.028"Dia.

Part No.	Mfr. Part No.	Pins	Price
295283	44-647-10	44	$19.95

Transistors

★Web Code: FEN

✳ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg.	Desc.	V_{ceo}	Min. (h_{FE} @ Ic)	1	10	100
26462	✦	MPSA06	TO-92	NPN	80	100k @ .01A	✳	$.08	$.06
26489	✦	MPSA13*	TO-92	NPN	30	5k @ .01A	✳	.08	.07
210593	✦	MPSA14	TO-92	NPN	30	20k @ .10A	✳	.08	.06
210681	✦	MPSA18	TO-92	NPN	45	500 @ .001A	✳	.10	.08
33021	✦	TIP29A	TO-220	NPN	60	15 @ 1A	.39	.35	.29
33048	✦	TIP31A*	TO-220	NPN	60	10 @ 3A	.35	.29	.25
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.35	.29	.25
890568	ST	TIP35Cℛ	TO-247	NPN	100	25 @ 1.5A	1.29	1.19	1.09
33081	✦	TIP41A	TO-220	NPN	60	15 @ 3A	.39	.35	.29
179371	✦	TIP41Cℛ	TO-220	NPN	100	15 @ 3A	.39	.35	.29
178546	✦	MPSA42	TO-92	NPN	30	40 @ .03A	✳	.12	.10
1162052	BNS	BDV65Aℛ	SOT-93	NPN	80	1k @ 5A	1.95	1.75	1.49
32977	✦	TIP102*	TO-220	NPN	100	1k @ 3A	.45	.39	.35
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.65	.55	.49
1094723	FSC	TIP102ℛ	TO-220	NPN	100	1k @ 3A	.69	.59	.49
32993	✦	TIP120*	TO-220	NPN	60	1k @ 3A	.39	.35	.29
32994	✦	TIP120ℛ	TO-220	NPN	60	1k @ 3A	.45	.39	.35
179291	FSC	TIP120	TO-220	NPN	60	1k @ 3A	.49	.45	.39

*10 pcs. in Transistor cabinet kit, pg 18

Transistors (Continued)

★Web Code: FEN

✳ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg.	Desc.	V_{ceo}	Min. (h_{FE} @ Ic)	1	10	100
120416	✦	TIP122	TO-220	NPN	100	1k @ 3A	$.39	$.35	$.29
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.45	.39	.35
260558	NTE	NTE123AP	TO-92	NPN	40	40 @ .001A	1.19	1.09	.99
890445	ST	TIP142ℛ	TO-218	NPN	100	1k @ 0.5A	1.19	1.09	.95
2132293	✦	BD158	TO-126	NPN	300	30 @ .05A	.59	.49	.39
254810	✦	BC337	TO-92	NPN	45	100 @ .10A	✳	.09	.07
254801	✦	BC547Bℛ	TO-92	NPN	45	330 @ .002A	✳	.07	.06
254799	✦	BC547C	TO-92	NPN	45	600 @ .002A	✳	.08	.06
254781	✦	BC548B	TO-92	NPN	30	110 @ .002A	✳	.09	.07
784790	FSC	BC549Bℛ	TO-92	NPN	30	110 @ 2mA	✳	.04	.03
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	✳	.12	.09
38228	✦	2N2219A	TO-39	NPN	40	100 @ .15A	.49	.45	.39
26446	✦	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.95	2.75	2.49
28628	✦	PN2222**	TO-92	NPN	30	100 @ .15A	✳	.06	.05
38236	✦	2N2222A*	TO-18	NPN	40	100 @ .15A	.49	.45	.39
38237	✦	2N2222Aℛ	TO-18	NPN	40	100 @ .15A	.55	.49	.45
213938	✦	MMBT2222A	SOT-23	NPN	40	100 @ .15A	✳	.07	.05
210673	✦	MPS2222A	TO-92	NPN	40	40 @ .50A	✳	.08	.06
2125448	PAN	2SC3526H	TO-92L	NPN	50	20 @ .10A	.49	.39	.29
178511	✦	PN2222A	TO-92	NPN	40	100 @ .15A	✳	.06	.05
178512	✦	PN2222Aℛ	TO-92	NPN	40	100 @ .15A	✳	.07	.06
38295	✦	2N3053*	TO-39	NPN	40	25 @ .15A	.65	.55	.49
38308	✦	2N3055+*	TO-3	NPN	60	15 @ 10A	1.09	.99	.85
211406	✦	2N3055A	TO-3	NPN	60	20 @ 4A	1.75	1.55	1.35
211385	✦	TIP3055	TO-218	NPN	60	5 @ .001A	.95	.85	.75
25857	✦	MJE3055T	TO-220	NPN	60	20 @ 4A	.45	.39	.29
194415	✦	2N3439	TO-39	NPN	350	40 @ .02A	.85	.75	.65
209242	✦	2N3771	TO-3	NPN	40	15 @ 15A	2.19	1.95	1.75
38359	✦	2N3904**	TO-92	NPN	40	100 @ .01A	✳	.05	.03
38360	✦	2N3904ℛ	TO-92	NPN	40	100 @ .01A	✳	.05	.03
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	✳	.06	.035
783421	FSC	2N3904BUℛ	TO-92	NPN	40	100 @ .01A	✳	.07	.04
94967	✦	MMBT3904	SOT-23	NPN	40	100 @ .01A	✳	.07	.05
1944927	FSC	PN4275	TO-92	NPN	15	35 @ .01A	✳	.04	.02
38421	✦	2N4401*	TO-92	NPN	40	100 @ .15A	✳	.06	.05
783498	FSC	2N4401TAℛ	TO-92	NPN	40	20 @ .1mA	✳	.06	.05
211490	✦	2N4923	TO-225	NPN	—	80 @ 1A	.29	.25	.22
2125608	MOT	SPS4942(9568)	TO-92	NPN	30	60 @ .5A	✳	.05	.04
1201380	FSC	PN4953	TO-92	NPN	30	150 @ .01A	✳	.04	.03
140373	✦	2N5179	TO-72	NPN	12	25 @ .003A	1.49	1.35	1.19
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	✳	.19	.15
924300	ST	2N6284ℛ	TO-3/2	NPN	100	750 @ 10A	3.49	3.09	2.59
1945031	FSC	MPS6515	TO-92	NPN	25	250 @ .002A	✳	.05	.03
194618	✦	2N6547	TO-3	NPN	400	12 @ 5A	3.95	3.49	3.25
194626	✦	2N6678	TO-3	NPN	400	8 @ 15A	5.95	4.95	4.25
33030	✦	TIP30A	TO-220	PNP	60	15 @ 1A	.39	.35	.29
33064	✦	TIP32A*	TO-220	PNP	60	10 @ 3A	.39	.35	.25
181841	✦	TIP32C	TO-220	PNP	100	10 @ 3A	.35	.29	.25
890592	ST	TIP36Cℛ	TO-218	PNP	100	25 @ 1.5A	1.15	1.05	.95
33101	✦	TIP42A	TO-220	PNP	60	15 @ 3A	.45	.39	.35
139580	✦	TIP42C	TO-220	PNP	100	15 @ 3A	.45	.39	.35
2135355	✦	BDV64	SOT-93	PNP	60	1k @ 5A	.75	.55	.35
179258	✦	TIP107	TO-220	PNP	100	1k @ 3A	.45	.39	.35
288526	✦	TIP115	TO-220	PNP	60	1k @ 1A	.29	.25	.22
288542	✦	TIP117	TO-220	PNP	100	1k @ 1A	.25	.15	.12
33013	✦	TIP125	TO-220	PNP	60	1k @ 3A	.39	.35	.29
179320	✦	TIP127	TO-220	PNP	100	1k @ 3A	.35	.29	.25
890488	ST	TIP147ℛ	TO-218	PNP	100	1k @ 5A	1.49	1.39	1.25

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 18

Continued on next page

◉ BNS = Bourns | FSC = Fairchild Semi | MOT = Motorola | NTE = NTE Elec. | PAN = Panasonic | ST = ST Micro | ✦ Major Brands

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Transistors (Continued)

★ Web Code: FEN

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pkg.	Desc.	V_{ceo}	Min. (h_{FE} @ Ic)	1	10	100
260611	NTE	NTE159	TO-92	PNP	80	50 @ .01A	**$1.25**	**$ 1.05**	**$.95**
1215986	✦	BC327𝓡	TO-92	PNP	45	100 @ .10A	✳	**.15**	**.12**
1085500	FSC	MPS750RL	TO-92	PNP	40	75 @ .05A	✳	**.05**	**.03**
2125456	MEC	MH810	TO-220	PNP	30	240 @ .5A	**.49**	**.39**	**.29**
194378	✦	2N2905A	TO-39/3	PNP	60	100 @ .15A	**.59**	**.49**	**.45**
924297	ST	2N2907R	TO-18	PNP	40	75 @ .01A	**.65**	**.55**	**.49**
26454	✦	MPQ2907	DIP-14	PNP	40	100 @ .15A ...	**1.25**	**.95**	**.75**
28644	✦	PN2907**	TO-92	PNP	40	100 @ .15A	✳	**.07**	**.05**
211342	✦	MPS2907A	TO-92	PNP	60	100 @ .15A	✳	**.10**	**.08**
178520	✦	PN2907A	TO-92	PNP	60	100 @ .15A	✳	**.05**	**.04**
38279	✦	2N2907A*	TO-18	PNP	60	100 @ .15A	**.49**	**.45**	**.39**
211502	✦	MJ2955	TO-3	PNP	60	20 @ 4A	**1.29**	**1.19**	**1.09**
25831	✦	MJE2955T	TO-220	PNP	60	20 @ 4A	**.49**	**.45**	**.39**
1944986	FSC	PN3644	TO-92	PNP	45	100 @ .01A	✳	**.04**	**.02**
38375	✦	2N3906**	TO-92	PNP	40	100 @ .01A	✳	**.05**	**.03**
178618	FSC	2N3906R	TO-92	PNP	40	100 @ .01A	✳	**.06**	**.035**
1944943	FSC	PN4122	TO-92	PNP	40	150 @ 1mA	✳	**.05**	**.03**
1944951	FSC	PN4355	TO-92	PNP	60	100 @ 1mA	✳	**.05**	**.03**
38447	✦	2N4403*	TO-92	PNP	40	100 @ .15A	✳	**.06**	**.05**
1944935	FSC	PN4917	TO-92	PNP	30	150 @ 1mA	✳	**.05**	**.03**
210649	✦	2N5401	TO-92	PNP	150	60 @ .01A	✳	**.13**	**.11**
253438	✦	2N5884	TO-3	PNP	80	4 @ 25A	**2.95**	**2.49**	**2.19**
194571	✦	2N6042	TO-220	PNP	100	1k @ 3A	**.29**	**.25**	**.22**
194597	✦	2N6052	TO-3	PNP	100	750 @ 6A	**1.75**	**1.49**	**1.25**
261121	NTE	NTE6410	TO-92	PNP	30	—	**4.95**	**4.49**	**3.95**
2095411	✦	EPX-002P	Transistor mtg. pads TO-92/98/18/72				✳	**.08**	**.06**

10 pcs./*100 pcs. in Transistor cabinet kit, below**

Transistor Assortment Cabinet Kit

★ Web Code: CKS

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 155 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

SAVE $14

Part No.	Description	Wt. (lbs.)	1	5
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	**$69.95**	**$59.95**
130374	Refill for 82595 (560 pcs.)	0.4	**54.95**	**49.95**

J-FETs

Please Note: Manufacturer may vary

★ Web Code: JAD

Order in multiples of 10

Part No.	Product No.	Pkg.	Channel	BV_{GS} @ I_G(µA)	I_{DSS} (mA) @ V_{DS}	10	100	1000
26403	MPF102*	TO-92	N	-25 @ -10	2 @ 15	**$.19**	**$.15**	**$.12**
210622	2N3819	TO-92	N	-25 @ -1	20 @ 15	**.10**	**.08**	**.06**
253948	2N5457	TO-92	N	-25 @ -10	1 @ 15	**.12**	**.10**	**.08**
253921	2N5458	TO-92	N	-25 @ -10	2 @ 15	**.12**	**.10**	**.08**
38527	2N5951*	TO-92	N	-30 @ -1	7 @ 15	**.10**	**.08**	**.06**
253913	2N5460	TO-92	P	40 @ 10	-1 @ -15	**.13**	**.11**	**.09**

***10 pcs. in Transistor cabinet kit, above**

IOR International Rectifier Hexfet Power MOSFETs

★ Web Code: HDU

✳ Order in multiples of 10

Part No.	Mfr. Part No.	Pkg.	Channel	BV_{DS}	Min. On-St. DS Current	1	10	100
1563147	IRFZ44NPBF𝓡	TO-220AB	N	55	49A	**$1.35**	**$1.15**	**$.95**
1560051	IRF540NPBF𝓡	TO-220AB	N	100	33A	**1.45**	**1.15**	**.85**
1563690	IRLM5203TRPBF𝓡	Micro-3	P	-30	-3A	✳	**.09**	**.07**
1559965	IRF5305PBF𝓡	TO-220AB	P	-55	-31A	**1.25**	**1.09**	**.85**
1561619	IRF9640PBF𝓡	TO-220AB	P	-400	-11A	**1.35**	**1.19**	**1.05**

N-Channel & P-Channel MOSFETs

★ Web Code: GCJ

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pkg.	Channel	BV_{DS}	Min. On-St. DS Current	1	10	100
669871	✦	IRFZ24N	TO-220AB	N	55	17A	**$.89**	**$.79**	**$.59**
669927	✦	IRFBG30	TO-220AB	N	1000	3.1A	**1.95**	**1.75**	**1.49**
669935	✦	IRFZ34N	TO-220AB	N	55	26A	**1.09**	**.89**	**.69**
669943	✦	IRLZ34N	TO-220AB	N	55	30A	**1.09**	**.89**	**.69**
669951	✦	IRFZ44N	TO-220AB	N	55	49A	**1.25**	**1.05**	**.85**
669978	✦	IRFZ46N	TO-220AB	N	55	53A	**1.29**	**.99**	**.79**
669986	✦	IRFZ48N	TO-220AB	N	55	64A	**1.39**	**1.15**	**.89**
256031	✦	BS170	TO-92	N	60	0.5A (max.)	✳	**.15**	**.12**
1217519	FSC	BS170𝓡	TO-92	N	60	0.5A (max.)	✳	**.19**	**.15**
670098	✦	IRFP250N	TO-247AC	N	200	30A	**1.95**	**1.49**	**1.29**
670101	✦	IRFP260N	TO-247	N	200	50A	**3.49**	**2.55**	**2.09**
871017	FSC	FDN337N𝓡	SuperSOT-3	N	30	10A	**.29**	**.19**	**.15**
670135	✦	IRFP450	TO-247	N	500	14A	**2.49**	**2.25**	**1.95**
670143	✦	IRFP460	TO-247	N	500	20A	**2.95**	**2.75**	**2.49**
209234	✦	IRF510	TO-220	N	100	5.6A	**.79**	**.69**	**.59**
209226	✦	IRF520	TO-220	N	100	10A	**.89**	**.79**	**.69**
209058	✦	IRL520	TO-220	N	100	9.2A	**.89**	**.79**	**.69**
210500	✦	IRF530	TO-220	N	100	14A	**.79**	**.69**	**.59**
670151	✦	IRF530N	TO-220AB	N	100	17A	**1.19**	**.99**	**.75**
670160	✦	IRL530N	TO-220AB	N	100	17A	**1.19**	**.99**	**.79**
210518	✦	IRF540	TO-220	N	100	27A	**.89**	**.79**	**.69**
670194	✦	IRL540N	TO-220AB	N	100	30A	**1.39**	**1.09**	**.95**
210526	✦	IRF620	TO-220	N	200	6.0A	**.75**	**.65**	**.55**
210534	✦	IRF630	TO-220	N	200	9.0A	**.59**	**.49**	**.45**
210542	✦	IRF640	TO-220	N	200	18A	**1.09**	**.99**	**.79**
670231	✦	IRF644	TO-220AB	N	250	14A	**.95**	**.85**	**.65**
210551	✦	IRF730	TO-220	N	400	5.5A	**.79**	**.59**	**.49**
210569	✦	IRF740	TO-220	N	400	10A	**.99**	**.89**	**.79**
210577	✦	IRF820	TO-220	N	500	4.0A	**.89**	**.79**	**.69**
210585	✦	IRF830	TO-220	N	500	4.5A	**.79**	**.69**	**.59**
184719	✦	IRF840	TO-220	N	500	8.0A	**.85**	**.75**	**.65**
787798	FSC	RFP12N10L𝓡	TO-220AB	N	100	12A	**.75**	**.65**	**.55**
670282	✦	IRF1405𝓡	TO-220AB	N	55	169A	**2.49**	**2.09**	**1.75**
279460	✦	VN2222LL	TO-92	N	60	0.75A	**.35**	**.29**	**.25**
874875	FSC	NDT3055L𝓡	SOT-223	N	60	10A	**.59**	**.49**	**.45**
618089	✦	IRF3205	TO-220	N	55	110A	**1.75**	**1.45**	**1.25**
1559640	INR	IRF3205PBF𝓡	TO-220	N	55	110A	**1.95**	**1.55**	**1.29**
670354	✦	IRF3415	TO-220AB	N	150	43A	**1.95**	**1.75**	**1.49**
670371	✦	IRFPS37N50A	Super-247	N	500	36A	**6.95**	**5.95**	**5.25**
255038	✦	SI4420DY	SOIC-8	N	30	30A	**.49**	**.39**	**.29**
785590	FSC	FQP50N06𝓡	TO-220	N	60	—	**.99**	**.89**	**.75**
875051	FSC	RFP50N06𝓡	TO-220AB	N	60	50A	**1.25**	**1.09**	**.85**
119423	✦	2N7000	TO-92	N	60	0.3A	✳	**.07**	**.05**
178669	FSC	2N7000*	TO-92	N	60	0.2A	✳	**.08**	**.06**
783594	FSC	2N7000𝓡	TO-92	N	60	0.75A	✳	**.09**	**.07**
140169	✦	2N7002	SOT-23	N	60	0.5A	✳	**.09**	**.07**
670397	✦	IRF7401	SOIC-8	N	20	10A	**.29**	**.25**	**.22**
256057	✦	BS250	TO-92	P	-45	0.25A (max.) ...	**.75**	**.65**	**.55**
1944901	✦	ZVP3306A	TO-92	P	-60	-0.4A†	**.55**	**.45**	**.35**
870971	FSC	FDC640P𝓡	Super SOT-6	P	-20	-20A	✳	**.12**	**.09**
670442	✦	IRF4905	TO-220AB	P	-55	-74A	**1.95**	**1.75**	**1.49**
1559851	INR	IRF4905PBF𝓡	TO-220AB	P	-55	-74A	**1.95**	**1.75**	**1.49**
670477	✦	IRF5210	TO-220AB	P	-100	-40A	**2.49**	**1.95**	**1.39**
670485	✦	IRF5305	TO-220AB	P	-55	-31A	**1.25**	**1.05**	**.85**
670581	✦	IRF9Z34N	TO-220AB	P	-55	-1.8A	**1.09**	**.99**	**.75**
670629	✦	IRF9520	TO-220AB	P	-100	6A	**1.19**	**1.09**	**.95**
670741	✦	IRF9530	TO-220AB	P	-100	-12A	**1.15**	**1.05**	**.95**
670637	✦	IRF9530N	TO-220AB	P	-100	-14A	**1.25**	**1.05**	**.85**
670645	✦	IRF9540N	TO-220AB	P	-100	-23A	**1.49**	**1.19**	**.95**
670653	✦	IRF9640	TO-220AB	P	-200	-11A	**1.15**	**.95**	**.85**

***10 pcs. in Transistor cabinet kit, above left** †**DMOS FET**

FSC = Fairchild Semiconductor | INR = International Rectifier | MEC = Micro Electronics | NTE = NTE Electronics | ST = ST Micro | ✦ Major Brands

𝓡 RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Zener Diodes

★ Web Code: LAF

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	V_{Znom}	Pwr Dissipation	1	10	100
36290	✦	1N751A	DO-35	5.1V	0.5W	✳	$.07	$.05
178773	VSH	1N4732A	DO-41	4.7V	1W	✳	.09	.05
36097	✦	1N4733A*	DO-41	5.1V	1W	✳	.06	.05
36118	✦	1N4734A	DO-41	5.6V	1W	✳	.06	.05
36126	✦	1N4735A	DO-41	6.2V	1W	✳	.06	.05
178837	✦	1N4739A	DO-41	9.1V	1W	✳	.06	.05
36169	✦	1N4742A*	DO-41	12V	1W	✳	.05	.04
36185	✦	1N4744A	DO-41	15V	1W	✳	.07	.05
782911	FSC	1N4748ATRℛ	DO-41	22V	1W	✳	.04	.02
782922	FSC	1N4749AT/Rℛ	DO-41	24V	1W	✳	.03	.02
743488	FSC	1N5226Bℛ	DO-35	3.3V	0.5W	✳	.05	.03
179039	✦	1N5230B	DO-35	4.7V	0.5W	✳	.07	.05
179047	✦	1N5231B	DO-35	5.1V	0.5W	✳	.09	.07
743541	✦	1N5237Bℛ	DO-35	8.2V	0.5W	✳	.04	.02
804818	ON	1N5352BGℛ	Surmetic-40	15V	5W	.35	.29	.25
804914	ON	1N5359BGℛ	Surmetic-40	24V	5W	.35	.29	.22

*10 pcs. in Diode/Rectifier cabinet kit, below right

Diodes

★ Web Code: PAK

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Description	1	10	100
1559164	INR	HFA08TB60PBFℛ	TO-220AC	600VBR, 8A (Ultrafast)	$1.09	$.99	$.89
915323	NXP	BAS40-04T/Rℛ	SOT-23	40V_R, 120mA (Schottky)	✳	.04	.02
915972	NXP	BAV99ST/Rℛ	SOT-363	85V_{RRM}, 0.5A (Switching)	✳	.05	.03
35941	✦	1N270*	DO-7	80PRV (Germanium)	.99	.89	.79
313402	✦	MMBD914	SOT-23	100V_{RRM}, 0.2A (Switching)	✳	.03	.015
312101	✦	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.25	.22	.19
743285	FSC	1N4148ℛ	DO-35	75PRV, 0.01A (Switching)	✳	.06	.03
36038	✦	1N4148**	DO-35	75PRV, 0.01A (Switching)	✳	.05	.02
151247	✦	1N4148T	DO-35	75PRV, 0.01A (tape/reel)	✳	.06	.03
179215	VSH	1N4148	DO-35	100PRV (Switching)	✳	.05	.02
743710	ST	1N6263ℛ	DO-35	60V_{RRM}, 50mA (Schottky)	✳	.12	.10
1558946	INR	80SQ045ℛ	DO-204	40V_{RRM}, 8A (Schottky)	1.39	1.29	1.09

*10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, right

Small Signal Diodes

★ Web Code: JDQ

Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Description	10	100	1000
36311	✦	1N914**	DO-35	75PRV, 0.01A	$.05	$.02	$.015
179207	VSH	1N914	DO-35	100PRV	.05	.03	.02
655269	✦	1N914A	DO-35	100V_{RRM}, 0.2A	.05	.03	.02

**100 pcs. in Diode/Rectifier cabinet kit, right

★ *Transient Voltage Suppressors Available Online — Enter Web Code QBQ*

Triacs

★ Web Code: PAE

Part No.	●Mfr.	Product No.	Pkg.	Rating	1	10	100
160098	✦	HT-32	DO-35	27.37 V_{BO}, 2A	$.35	$.29	$.25
31819	✦	SC146B	TO-220	200 V_{DRM}, 10A (2N6342)	1.75	1.49	1.25
31827	✦	SC146M	TO-220	600 V_{DRM}, 10A (2N6344)	1.95	1.75	1.49
1165690	BNS	TIC201M	TO-220	600 V_{DRM}, 2.5A	.49	.39	.25
160207	TEC	Q4008L4	TO-220AB	400 V_{DRM}, 8A	1.35	1.19	1.05
220492	TEC	Q4008R4	TO-220AB	400 V_{DRM}, 8A	1.35	1.25	1.09
139336	TEC	Q4015L5	TO-220AB	400 V_{DRM}, 15A	1.45	1.35	1.19
160215	TEC	Q6008L5	TO-220AB	600 V_{DRM}, 8A	1.39	1.25	1.09
160231	TEC	Q6015L5	TO-220AB	600 V_{DRM}, 15A	1.95	1.75	1.49
220505	TEC	Q6025R6	TO-220AB	600 V_{DRM}, 25A	2.49	2.25	1.95
220521	TEC	Q6035P5	TO-3	600 V_{DRM}, 35A	8.95	7.95	6.95
140425	✦	2N6071A	TO-225AA	200 V_{DRM}, 4A	.59	.55	.45

SanRex® Fast-On Package Triac

★ Web Code: PCH

Part No.	Mfr. Part No.†	Pkg.	Rating (X_{DRM}, $I_{T(RMS)}$)	1	10	100
658275	TG35F60ℛ	Fast-On	Isolated 35A, 600V	$8.95	$7.95	$6.95

† For cross-references to Littelfuse, ST, and ON Semi products refer to datasheets @ Jameco.com.

Rectifiers

★ Web Code: LBD

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
177754	TAT	T6A05L	T6L	50 PIV, 6A	$.39	$.35	$.29	$.25
177762	TAT	T6A10L	T6L	100 PIV, 6A	.49	.45	.39	.35
177818	TAT	T6A100L	T6L	1000 PIV, 6A	.69	.59	.49	.45
2126011	DDI	SR506-T	DO-201AD	60 PRV, 5A (Schottky)	.29	.25	.22	.15
1645097	GI	1N645-1	DO-35	225 PRV, .15A	✳	.05	.04	.03
35924	✦	1N1188	DO-5	400 PRV, 35A	4.25	3.75	3.35	3.15
618097	✦	MBR2535CT	TO-220	35 VRPM, 30A	.69	.59	.49	.39
35975	✦	1N4001*	DO-41	50 PRV, 1A	✳	.05	.02	.015
76961	✦	1N4002	DO-41	100 PRV, 1A	✳	.05	.02	.015
76970	✦	1N4003	DO-41	200 PRV, 1A	✳	.05	.02	.015
35991	✦	1N4004**	DO-41	400 PRV, 1A	✳	.05	.02	.015
274811	SGS	HYT11-600	DO-41	1000V, 1A	.49	.45	.39	.35
879094	ON	MRA4004T3	SMA	400 @ 1A	✳	.05	.04	.03
76988	✦	1N4005	DO-41	600 PRV, 1A	✳	.05	.03	.02
76996	✦	1N4006	DO-41	800 PRV, 1A	✳	.05	.02	.015
36011	✦	1N4007*	DO-41	1000 PRV, 1A	✳	.05	.02	.015
36012	✦	1N4007ℛ	DO-41	1000 PRV, 1A	✳	.05	.02	.015
1537951	DDI	1N4007-T	DO-41	1000 V_{RRM}, 1A	✳	.06	.05	.03
36249	✦	1N5401	DO-201AD	100 PIV, 3A	✳	.12	.10	.08
77083	✦	1N5402	DO-27A	200 PRV, 3A	✳	.14	.12	.10
36265	✦	1N5404*	DO-27A	400 PRV, 3A	✳	.12	.10	.08
36273	✦	1N5408*	DO-27A	1000 PRV, 3A	✳	.12	.10	.08
36274	✦	1N5408ℛ	DO-27A	1000 PRV, 3A	✳	.13	.11	.09
177949	✦	1N5817	DO-204AL	20 PIV, 1A	✳	.14	.12	.10
177957	✦	1N5818	DO-204AL	30 PIV, 1A	✳	.14	.12	.10
177965	✦	1N5819	DO-204AL	40 PIV, 1A	✳	.14	.12	.10
177973	✦	1N5820	DO-201AD	20 PIV, 3A	✳	.09	.05	.04
177981	✦	1N5821	DO-201AD	30 PIV, 3A	✳	.16	.14	.12
177990	✦	1N5822	DO-201AD	40 PIV, 3A	✳	.16	.14	.12
2138804	✦	1T2	DO-41	100 V_{RRM}, 1A	✳	.06	.04	.025
2126310	ST	BYW80-50	TO-220AC	50 PIV, 8A	.39	.29	.25	.19

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, below

Diode/Rectifier Assortment Cabinet Kit

★ Web Code: CKS

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 155 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148

Part No.	Description	Wt. (lbs.)	1	5
82587	420 pcs. (15 types) diode kit	5.0	$44.95	$39.95
130366	Refill for 82587 (420 pcs.)	0.3	29.95	26.95

Bridge Rectifiers

★ Web Code: MBD

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Pkg.†	Rating	1	10	100
178001	✦	DF005M	DF	50 V_{RRM}, 1A	$.29	$.25	$.22
103000	✦	DF01M	DF	100 V_{RRM}, 1A	.29	.25	.22
103042	✦	DF02M	DF	200 V_{RRM}, 1A	.29	.25	.22
102971	✦	DF04M	DF	400 V_{RRM}, 1A	.35	.29	.25

† DF – plastic case

Continued on next page

● BNS = Bourns | FSC = Fairchild | DDI = Diodes Inc. | GI = Gen. Instru. | INR = Int. Rec. | NXP = NXP/Philips | ON = ON Semi | SGS = SGS Thomson | ST = ST Micro | TAT = Taitron | TEC = Teccor | VSH = Vishay

Bridge Rectifiers, SCRs & Heat Sinks

Bridge Rectifiers (Continued)

★ Web Code: MBD

Part No.	◉Mfr.	Product No.	Pkg.†	Rating	1	10	100
103034	✦	DF06M	DF	600 V_{RRM}, 1A	$.35	$.29	$.25
103026	✦	DF10M	DF	1000 V_{RRM}, 1A	.35	.29	.25
145429	✦	KBP02M	KBP	200 V_{RRM}, 1.5A	.29	.22	.15
119562	✦	KBP04M*	KBP	400 V_{RRM}, 1.5A	.45	.35	.29
103018	✦	W02G	W0G	200 V_{RRM}, 1.5A	.35	.29	.25
102980	✦	W04G	W0G	400 V_{RRM}, 1.5A	.35	.29	.25
179469	✦	W08G	W0G	800 V_{RRM}, 1.5A	.35	.29	.25
279515	✦	W10G	W0G	1000 V_{RRM}, 1.5A	.39	.35	.29
178132	✦	W01M	W0M	100 V_{RRM}, 1.5A	.25	.22	.19
178141	✦	W02M	W0M	200 V_{RRM}, 1.5A	.29	.25	.22
178183	TAT	BR805D	BR8D	50 PIV, 2A	.49	.45	.39
678137	✦	2KBP04M	KBP	400 V_{RRM}, 2A	.49	.39	.35
253260	✦	2KBP06M	KBP	600 V_{RRM}, 2A	.45	.35	.29
253286	✦	2KBP10M	KBP	1000 V_{RRM}, 2A	.49	.39	.35
1541466	DDI	RS405L	RS-4L	600 V_{RRM}, 4A	.89	.79	.69
1545416	✦	KBU8Bℛ	KBU	100 V_{RRM}, 8A	1.09	.99	.89
2138871	✦	GBU4J	GBU	600 V_{RRM}, 4A	.49	.45	.35
2126133	✦	SBU8J	SBU	600 V_{RRM}, 8A	1.49	1.25	1.09
299874	✦	GBPC1206	GBPC (screw)	600 V_{RRM}, 12A	1.95	1.75	1.49
299866	✦	GBPC1206W	GBPC-W (wire)	600 V_{RRM}, 12A	1.49	1.25	.95
2132242	✦	GBPC1208W	GBPC-W (wire)	800 V_{RRM}, 12A	1.49	1.25	.95
179477	✦	GBPC25-01	GBPC	100 V_{RRM}, 25A	2.25	1.95	1.49
179485	✦	GBPC25-02	GBPC	200 V_{RRM}, 25A	2.25	1.95	1.75
178280	✦	MB254	MB35	400 V_{RRM}, 25A	2.75	2.49	2.25
178431	✦	MB358	MB35	800 V_{RRM}, 35A	2.95	2.75	2.49
25574	✦	MDA990-3	179-01	200 PIV, 30A	3.75	3.49	3.25
25591	✦	MDA990-6	179-01	600 PIV, 30A	3.95	3.75	3.49
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.49	3.25	2.95

*10 pcs. in Diode/Rectifier cabinet kit, pg 39

† DF/KBP/W0G/W0M/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Silicon Controlled Rectifiers (SCRs)

★ Web Code: BAB

✳ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg.	Rating	1	10	100
14859	✦	C38M	TO-65	600 PRV, 35A (2N3899)	$6.95	$6.25	$5.49
14736	✦	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.69	.59	.49
14752	✦	C122B	TO-220	200 PRV, 8A	1.29	1.19	.95
14761	✦	C122M	TO-220	600 PRV, 8A	1.35	1.25	1.05
160119	✦	T106D1	TO-202AB	400 PRV, 4A	.59	.49	.45
119802	✦	2N5060	TO-92	25 PRV, 0.8A	.29	.25	.19
211422	✦	2N5061	TO-92	60 PRV, 0.8A	✳	.19	.15
2129801	TEC	S0512Rℛ	TO-220AB	50 V_{DRM}, 0.2A	.39	.25	.19
160135	TEC	S6025L	TO-220AB	600 V_{DRM}, 25A	1.55	1.45	1.35
140417	✦	2N6507	TO-220AB	400 PRV, 25A	1.09	.89	.69
885654	ON	2N6509ℛ	TO-220AB	800 V_{DRM}, 25A	1.29	1.15	.95

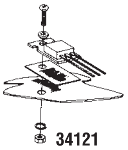
†Isolated *10 pcs. in Diode/Rectifier cabinet kit, pg 19

Heat Sink Mounting Kits

★ Web Code: JAB

- TO-3 and TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	$3.95	$3.59	$3.25
34139	TO-3	12 pcs per kit	3.95	3.59	3.25
2145060	TO-220	Glass-filled insulator	✳	.12	.10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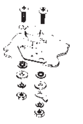

34139

Heat Sink Compounds

Photos on www.Jameco.com

★ Web Code: YBA

Part No.	◉Mfr.	Product No.	Description	1	10	50
169252	TSP	1978DPℛ	Silicon free compound 4 oz. tube	$25.95	$24.95	$23.95
615304	GCE	10-8106	Zinc-oxide filled silicon compound 1 lb. jar	29.95	26.95	23.95
615312	GCE	10-8108	Zinc-oxide filled silicon compound 6.5g tube	2.95	2.65	2.39
615321	GCE	10-8109	Zinc-oxide filled silicon compound 1 oz. tube	7.95	7.25	6.55
167249	AVD	THM250ℛ	Silicon based compound 2 oz. tube	8.95	7.95	6.95
236823	JVP	54114ℛ	Silicon based compound 1 oz. tube	4.95	4.49	3.95
615355	GCE	10-8126	100% synthetic base stocks type 44, 16 oz. jar	39.95	35.95	32.95
259151	NTE	NTE303	White gel, thermal grease 5 pack, 0.35 oz. tube	1.95	1.85	1.75

Heat Sinks

★ Web Code: JAB

NEW MARKED IN PINK

- Material: black anodized aluminum (except for P/N 107297 – light weight aluminum)
- P/N 42622 can be mounted vertically with solderable mounting tabs

Part No.	◉Mfr.	Product No.	Fig.	Type	Holes	Size (L" x W" x H")	1	10	100
2150942	AVD	9000000958	1	CPU	0	1.78 x 1.19 x 0.65	$1.39	$1.29	$1.15
2077335	AVD	501200B00	2	DIP-14/16	0	0.73 x 0.25 x 0.19	.49	.45	.39
2150934	JVP	205-00036-001	2	DIP-14/16	0	1.18 x 0.64 x 0.65	.89	.79	.69
2150951	JVP	TO3-2545MM	3	TO-3	2	1.78 x 1.78 x 0.51	1.09	.99	.89
151547	JVP	635-125B2ℛ	4	TO-3	4	1.83 x 1.40 x 1.25	1.59	1.45	1.29
189835	AVD	501303B00000Gℛ	4	TO-3	4	1.90 x 1.40 x 0.50	.89	.79	.69
16513	JVP	DUDE4ℛ	5	TO-3	4	4.75 x 1.50 x 1.25	3.75	3.25	2.75
2145086	AVD	322605B00000G	6	TO-5	1	0.75 x 0.75 x 0.236	1.79	1.55	1.29
326757	JVP	529801B02500ℛ	7	TO-218	3	1.64 x 1.00 x 1.50	1.25	1.09	.95
891464	AVD	593002B03400Gℛ	5	TO-220	1	1.16 x 1.00 x 0.49	.59	.49	.45
326693	JVP	531002B05200ℛ	7	TO-220	2	1.38 x 0.50 x 1.00	.99	.89	.79
326713	JVP	531102B02500	7	TO-220	3	1.38 x 0.50 x 1.50	.99	.89	.79
2150969	AVD	506304B00000G	8	TO-202	1	1.76 x 0.37 x 0.70	.39	.35	.29
326765	JVP	531302B02500ℛ	7	TO-220/202	3	2.50 x 1.38 x 0.50	1.09	.99	.89
2150900	AVD	532702B02500G	7	TO-220	1	2.00 x 1.65 x 1.00	1.39	1.29	1.15
696626	AVD	530002B02500ℛ	7	TO-220	1	2.52 x 1.65 x 1.00	2.25	1.85	1.49
696714	AVD	577002B00000Gℛ	9	TO-220	1	0.52 x 0.25 x 0.75	.29	.25	.22
158051	AVD	577102B0000Gℛ	9	TO-220	1	0.52 x 0.36 x 0.75	.35	.29	.25
1115643	AVD	577202B00000Gℛ	9	TO-220	1	0.52 x 0.50 x 0.75	.35	.29	.25
326596	JVP	507302B00000	9	TO-220	1	0.75 x 0.75 x 0.38	.29	.25	.22
70658	JVP	THM6073ℛ	9	TO-220	1	0.75 x 0.75 x 0.38	.29	.25	.22
129242	JVP	THM6106	9	TO-220	1	1.18 x 1.00 x 0.50	.65	.55	.45
70915	JVP	THM6106ℛ	9	TO-220	2	1.18 x 1.00 x 0.50	.69	.59	.49
696722	AVD	581002B02500Gℛ	10	TO-220	1	0.64 x 0.64 x 1.00	1.59	1.45	1.29
40504	WKF	291-H-36ABℛ	11	TO-220	1	1.00 x 0.36 x 0.86	.39	.35	.29
1115133	AVD	574402B03200Gℛ	12	TO-220	1	0.75 x 0.87 x 0.40	.59	.49	.45
107297	JVP	PSC2-U (cup-style)ℛ	12	TO-220	0	1.00 x 0.42 x 0.80	.49	.45	.35
42622	AVD	563002B00000ℛ	13	TO-220	1	1.18 x 1.00 x 0.50	.59	.49	.45
1115310	AVD	576802B03100Gℛ	14	TO-220	0	0.75 x 0.50 x 0.52	.35	.25	.22

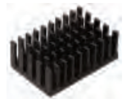


Fig. 1 (2150942)

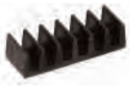


Fig. 2 (2077335)

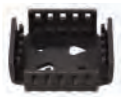


Fig. 3 (2150951)

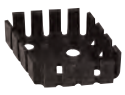


Fig. 4 (189835)

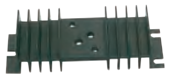


Fig. 5 (16513)

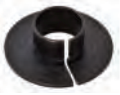


Fig. 6 (2145086)

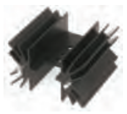


Fig. 7 (326757)

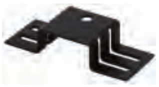


Fig. 8 (2150969)

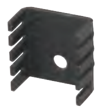


Fig. 9 (70658)

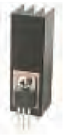


Fig. 10 (696722)

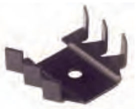


Fig. 11 (40504)

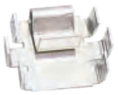


Fig. 12 (107297)

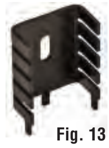


Fig. 13 (42622)

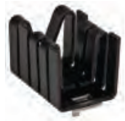


Fig. 14 (1115310)

◉ AVD = Aavid Thermalloy | DDI = Diodes Inc. | GCE = GC Electric | JVP = ValuePro | NTE = NTE Elec. | ON = ON Semi | TAT = Taitron | TEC = Teccor | TSP = Tech Spray | WKF = Wakefield

ℛ RoHS compliant product ✦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Optoisolators, Optocouplers & Standard-Output LEDs

Optoisolators

★Web Code: CAG

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10	100
40985	✦	4N25	DIP-6	NPN phototransistor output	**$.25**	**$.22**	**$.19**
41005	✦	4N26	DIP-6	NPN phototransistor output	**.29**	**.25**	**.22**
41013	✦	4N28	DIP-6	NPN phototransistor output	**.29**	**.25**	**.22**
41021	✦	4N32	DIP-6	NPN photodarlington output	**.29**	**.25**	**.22**
41030	✦	4N33	DIP-6	NPN photodarlington output	**.25**	**.22**	**.19**
41056	✦	4N35	DIP-6	NPN phototransistor output	**.29**	**.25**	**.22**
1872628	OPT	OPB606Aℛ	DIP-4	NPN phototransistor	**1.39**	**1.29**	**1.19**
1628828	IFT	ILQ74ℛ	DIP-16	Quad-channel phototransistor	**2.09**	**1.89**	**1.69**
320653	✦	PS2501-1	DIP-4	Single NPN phototransistor output ..	**.35**	**.29**	**.25**
320661	✦	PS2501-2	DIP-8	Dual NPN phototransistor output ...	**1.19**	**1.09**	**.95**
160338	✦	PS2501-4	DIP-16	Quad NPN phototransistor output ..	**1.65**	**1.39**	**1.19**
320688	✦	PS2502-1	DIP-4	Darlington photocoupler	**.65**	**.55**	**.49**
320696	✦	PS2502-2	DIP-8	Dual NPN photodarlington output ..	**1.95**	**1.75**	**1.49**
160362	✦	PS2502-4	DIP-16	Quad NPN photodarlington output	**2.49**	**2.25**	**1.95**
320717	✦	PS2505-2	DIP-8	High isolation volt. photocoupler ...	**1.75**	**1.49**	**1.25**
320725	✦	PS2505-4	DIP-16	Quad NPN phototransistor output ..	**2.25**	**1.95**	**1.59**
320805	✦	PS2532-4	DIP-16	Quad hi collector to emitter voltage	**2.95**	**2.75**	**2.49**
26278	✦	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac ...	**.49**	**.39**	**.35**
95020	✦	MOC3011	DIP-6	Random phase, triac driver output ...	**.49**	**.45**	**.35**
277780	✦	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac ...	**.49**	**.39**	**.35**
95038	✦	MOC3021	DIP-6	Random phase, triac driver output ...	**.55**	**.45**	**.39**
277819	✦	MOC3023	DIP-6	Random phase, triac driver output ...	**.49**	**.45**	**.39**
113953	✦	MOC3032	DIP-6	Zero-crossing, triac driver output	**.75**	**.65**	**.55**
277835	✦	MOC3041	DIP-6	Zero-crossing, triac driver output	**.89**	**.79**	**.59**
277843	✦	MOC3043	DIP-6	Zero-crossing, triac driver output	**.99**	**.89**	**.75**
133874	✦	MOC3063	DIP-6	Zero-crossing, triac driver output	**.75**	**.65**	**.55**
320629	✦	MOC3082	DIP-6	Zero-crossing, triac driver output	**.49**	**.35**	**.29**
2006414	LTO	LTR-5986D	SIP-3	NPN phototransistor/detector	**.29**	**.22**	**.15**

Optocouplers

★Web Code: NAK

✳ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10	100
277510	✦	6N135	DIP-8	Hi-speed photodetector transistor ...	**$.65**	**$.55**	**$.45**
42471	✦	6N136	DIP-8	Hi-speed phototransistor output	**.75**	**.65**	**.55**
113911	✦	6N137	DIP-8	Hi CMR, hi-speed logic gate output ...	**.79**	**.69**	**.59**
42489	✦	6N138	DIP-8	Hi-speed photodarlington output	**.69**	**.59**	**.49**
113929	✦	6N139	DIP-8	Hi-speed photodarlington output	**.75**	**.65**	**.55**
18825	✦	H11AA1	DIP-6	AC input/phototransistor	**.59**	**.49**	**.45**
320434	✦	H11AA2	DIP-6	AC input phototransistor optocoupler	**.59**	**.49**	**.35**
320451	✦	H11AA4	DIP-6	AC input phototransistor optocoupler	**.59**	**.49**	**.39**
938365	FSC	H11AA4SVMℛ	DIP-6	AC input phototransistor (w/ SMD)	**.29**	**.19**	**.15**
113988	✦	H11L1	DIP-6	µPROC compatible Schmitt trigger	**.89**	**.79**	**.69**
871341	FSC	H11L1Mℛ	DIP-6	Logic output	**.95**	**.85**	**.75**
1549441	AVT	HCPL-060L-000Eℛ	SOIC-8	Hi-speed LVTTL compatible 3.3V opto..	**.75**	**.55**	**.45**
1549644	AVT	HCPL-063N	SOIC-8	Dual ch. high CMR, 10MBd, HCMOS compat.	**2.95**	**1.95**	**1.49**
1549530	AVT	HCPL-0630-000Eℛ	SOIC-8	Dual ch. high CMR, hi-spd TTL compat. opto.	**1.75**	**1.49**	**1.25**
1549732	AVT	HCPL-0710	SOIC-8	40ns propagation delay, CMOS	**1.95**	**1.75**	**1.49**
1549741	AVT	HCPL-0710-000Eℛ	SOIC-8	40ns propagation delay, CMOS	**1.95**	**1.49**	**1.25**
1549839	AVT	HCPL-0731	SOIC-8	Dual ch. low input current, high gain	**1.75**	**1.49**	**1.25**
785821	FSC	HCPL2631Sℛ	SOIC-8	Dual ch. high speed 10mbit/s logic gate	**.75**	**.65**	**.55**
1584221	AVT	HCPL-7710-000Eℛ	DIP-8	40ns propogation delay, CMOS	**1.75**	**1.49**	**1.25**
1584239	AVT	HCPL-7710-300Eℛ	DIP-8	40ns propogation delay, CMOS	**1.75**	**1.49**	**1.25**
24918	✦	MCT6	DIP-8	High density NPN phototransistor	**.59**	**.49**	**.45**
672317	✦	MCT61ℛ	DIP-8	Dual channel NPN phototransistor	**.29**	**.22**	**.15**
672325	✦	MCT62	DIP-8	Dual channel NPN phototransistor	**.65**	**.55**	**.45**
2006385	LTO	LTV-814H	DIP-4	Phototransistor output, AC input	**.25**	**.15**	**.12**
1996330	LTO	LTV-824S	SOIC-8	Opto phototransistor	✳	**.12**	**.09**
878286	LTO	LTV-847ℛ	DIP-16	Quad ch. phototransistor output	**.69**	**.59**	**.49**
1583156	CLA	PD2401ℛ	DIP-16	AC solid st. sw. w/ dual pwr SCR output	**6.95**	**5.95**	**5.49**
1583199	CLA	TS117Sℛ	SOIC-8	1-Form-A relay optocoupler	**.99**	**.89**	**.79**
1583228	AVT	5962-8876901PC	DIP-8	2-ch., low IF, wide Vcc, logic gate ..	**39.95**	**34.95**	**29.95**

★Web Code: OTS

2126521

2126555

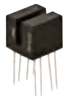
Optical Tilt Switches

Part No.	Product No.*	Pkg.	Description	1	10	100
2126521	RP-CUB-30-000-NB	4-pin	Optical tilt, 30˚, 5mA (Ic)	**$1.49**	**$1.25**	**$.99**
2126555	RP-RUB-15-000-NB	4-pin	Optical tilt, 15˚, 5mA (Ic)	**1.49**	**1.25**	**.99**
2126547	RP-RUB-30-000-NB	4-pin	Optical tilt, 30˚, 5mA (Ic)	**1.49**	**1.25**	**.99**
2126539	RP-RUB-45-000-NB	4-pin	Optical tilt, 45˚, 5mA (Ic)	**1.49**	**1.25**	**.99**

*CUB = horizontal mount PCB; RUB = vertical mount PCB

Slotted Optical Switches

2078282



2126301

★Web Code: XAP

Part No.	◉Mfr.	Product No.	Pkg.	Description	1	10	100
114091	✦	H21A1ℛ	4-pin w/ tab	Single channel, 20mA (Ic)	**$2.75**	**$2.49**	**$2.25**
320901	✦	H21A3	4-pin w/ tab	Single channel, 20mA (Ic)	**2.75**	**2.49**	**2.25**
2078282	SIE	IRLA075	4-pin w/ tab	Single channel, 50mA (Ic)	**.99**	**.89**	**.79**
2126301	ISO	ISTS150	8-pin w/ tab	Dual channel, 20mA (Ic)	**.89**	**.79**	**.59**

★Subminiature LEDs Available Online — Enter Web Code SML

Standard-Output LEDs

Figure images on next page

★Web Code: FAF

✳ Order in multiples of 10

Part No.	Product No.	◉Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	10	100	1000
202471	MVL-301HR**	UNI	2	Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	40	✳	**$.10**	**$.08**	**$.06**
152785	LT0341R-41ℛ	JVP	2	Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	✳	**.12**	**.10**	**.08**
333851	UT6371-41-M1ℛ	JVP	2	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.8	65	660	60	✳	**.12**	**.10**	**.08**
94529	LH2040ℛ	JVP	2	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	✳	**.12**	**.10**	**.08**
136282	LA44B/2Iℛ	JVP	3	Red	Red diff. (right angle) .60" LDS	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	**.35**	**.25**	**.22**	**.17**
152751	LT0344R-41ℛ	JVP	2	Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	60	635	36	✳	**.12**	**.10**	**.08**
2081991	XLUR40W	JVP	5	Red	Water clear	T1	0.119/3	0.197	1.063	0.10	1.9	59	627	50	✳	**.07**	**.05**	**.03**
333171	HLMP-K155-JVℛ	JVP	5	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	✳	**.12**	**.10**	**.08**
333260	LHR2643ℛ	JVP	2	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	✳	**.10**	**.08**	**.06**
114673	LH2043ℛ*	JVP	2	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	8	697	30	✳	**.12**	**.10**	**.08**
206498	LHR2041ℛ	JVP	2	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.4	350	660	30	✳	**.12**	**.10**	**.08**
697565	LTL-4211Nℛ	LTO	2	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	✳	**.10**	**.08**	**.06**
697590	LTL-4221Nℛ	LTO	2	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.0	8.7	635	60	✳	**.09**	**.08**	**.06**
2006713	LTL-161CE	LTO	2	Hi-eff Red	Red diffused, flanged	T1	0.118/3	0.21	1.07	0.10	2.0	12.6	621	60	✳	**.10**	**.08**	**.06**

*10 pcs./**100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 26

Continued on next page

◉ AVT = Avago | CLA = Clare | FSC = Fairchild | IFT = Infineon | ISO = Isocom | JVP = ValuePro | LTO = Lite On | OPT = Optek | SIE = Siemens | UNI = Unity Opto | ✦ Major Brands

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Standard-Output LEDs

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

Fig. 1

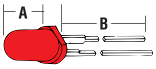


Fig. 2

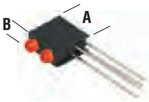


Fig. 3

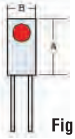


Fig. 4

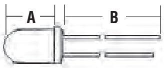


Fig. 5

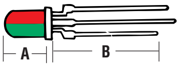


Fig. 6

Fig. 7

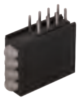


Fig. 8

Fig. 9

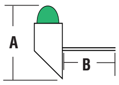


Fig. 10

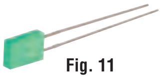


Fig. 11

Fig. 12

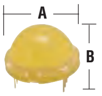


Fig. 13

Standard-Output LEDs (Continued)

See page 26 for LED Mounting Hardware

★Web Code: FAF

✳ Order in multiples of 10

Part No.	Product No.	◉Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
2081932	BVL-300E5Dℛ	JVP	5	OrangeRed	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	18	632	45	✳	$.08	$.07	$.06
94553	LHG2062ℛ	JVP	2	Red/Green	White diffused bi-color/bi-state[1]	T1	0.119/3	0.18	1.06	0.08	2.6	3/1.2	697/565	36	✳	.19	.15	.12
1766366	4301F1/5ℛ	CML	5	Red/Green	White diffused bi-color	T1	0.119/3	0.175	1.00	0.10	2.1	13/4	660/565	60	.49	.45	.39	.35
156946	LT0362-25-D61ℛ	JVP	6	Red/Green	White diffused bi-color/tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	.39	.35	.29	.25
235416	LA45B/2Gℛ	JVP	7	Green/Green	Green diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	15	565	50	✳	.08	.06	.05
156937	LT0331-41	JVP	2	Yellow	Yellow diffused	T1	0.119/3	0.20	0.95	0.10	2.1	11	585	56	✳	.10	.08	.06
333219	LY12340ℛ	JVP	2	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	✳	.10	.08	.06
2133413	LVY34D	SLD	2	Yellow	Yellow diffused	T1	0.118/3	0.16	1.00	0.10	1.95	5	590	60	✳	.08	.06	.05
697688	LTL-4251Nℛ	LTO	5	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	✳	.10	.08	.07
202489	MVL-301Y	UNI	5	Yellow	Yellow diffused	T1	0.118/3	0.20	1.10	0.10	2.1	9	585	40	✳	.08	.06	.05
34657	LY2040ℛ*	JVP	2	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	1.2	20	585	36	✳	.12	.10	.08
334211	LA16BYℛ	JVP	4	Yellow	Yellow diffused (right angle)	T1	0.119/3	0.29	0.18	0.10	1.7	12	585	50	✳	.19	.15	.12
2133608	W934EW/YD	JVP	4	Yellow	Yellow diffused	T1	0.118/3	0.29	0.18	0.10	2.1	15	590	60	✳	.19	.15	.12
2006721	LTL-14CDJLDL	LTO	2	Yellow/Green	White diffused bi-color, flanged	T1	0.119/3	0.19	1.35	0.10	2.1	8.7/12.6	585/565	80	✳	.10	.08	.06
2125464	VX4SUGY91M	SLD	8	Yellow/Green	White diff. bi-color, quad-level	T1	0.119/3	0.47	0.20	0.10	2.1/2.2	24/6	590/565	130	.39	.29	.25	.19
2125472	PZ1LUY2LUG32D	SLD	9	Yellow/Green	Yellow/green diffused, tri-level	T1	0.119/3	0.60	0.17	0.10	1.95/2.0	8/15	590/565	40	.39	.29	.25	.19
2006705	LTL-1CHYE*	LTO	2	Yellow	Water clear, flanged	T1	0.119/3	0.21	1.07	0.10	2.1	40	585	45	✳	.07	.05	.035
2082003	XLUY40W	JVP	5	Yellow	Water clear	T1	0.119/3	0.197	1.063	0.10	1.95	19	590	50	✳	.08	.06	.045
206480	LVY2041ℛ	JVP	2	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	✳	.12	.10	.08
2006676	LTL-42DINMHDPIℛ	LTO	3	Green/Yellow	Gr/yel diffused (rt. angle) .13" LDS	T1	0.119/3	0.38	0.17	0.10	2.1	12/6	565/585	60	✳	.06	.04	.03
333201	LG12340ℛ	JVP	2	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	✳	.12	.10	.08
253631	HLMP-1503	FSC	2	Green	Green diffused	T1	0.119/3	0.19	1.00	0.10	2.1	1	565	60	✳	.10	.08	.06
156930	LT0321-41-HEℛ	JVP	2	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1	32	567	56	✳	.15	.12	.10
2132306	L354GD-H302	AMR	2	Green	Green diffused	T1	0.114/3	0.29	0.18	0.10	2.1	12.5	565	60	✳	.15	.12	.10
2133721	551-0203Fℛ	DIA	4	Green	Green diffused (right angle)	T1	0.114/3	0.34	0.18	0.10	2.1	16	563	45	✳	.19	.15	.12
211086	LTL-4231N-022ℛ	LTO	5	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	40	✳	.10	.07	.05
697637	LTL-4231Nℛ	LTO	5	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	✳	.12	.10	.08
34606	LSG2040ℛ*	JVP	2	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	✳	.15	.12	.10
2120401	LMG32D-12V-Bℛ	SLD	1	Green	Green diff. (12V internal resistor)	T1	0.119/3	0.13	1.05	0.08	1.7	19	565	60	.19	.15	.12	.10
136274	LA44B/2Gℛ	JVP	3	Green	Green diffused (rt. angle) .60" LDS	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.29	.19	.17	.12
1554144	HLMP-1790-A0002ℛ	AVT	2	Green	Green tinted/diffused	T1	0.119/3	0.19	0.95	0.10	1.9	2.3	565	50	✳	.17	.15	.10
175679	LVG2041ℛ	JVP	2	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	✳	.15	.12	.10
2081983	XLUG40W	JVP	2	Green	Water clear	T1	0.119/3	0.197	0.63	0.10	2.0	69	565	50	✳	.08	.06	.05
333315	MV7441-JVℛ	JVP	2	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	✳	.08	.06	.05
114681	LVG2043ℛ*	JVP	2	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	✳	.12	.10	.08
137411	LVB2040ℛ	JVP	2	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	.89	.79	.69	.59
333383	UT63B1-41-M1A2ℛ	JVP	5	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.49	.45	.35	.29
333973	UT1871-81-M1ℛ	JVP	2	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	75	660	25	✳	.12	.10	.08
242844	LT1811-81ℛ	JVP	2	Red	Red diffused	T1 ¾	0.197/5	0.30	0.88	0.10	2.1	4.1	700	44	✳	.12	.10	.08
2125309	LS5469FH	SIE	2	Super Red	Red diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	1.8	5	635	50	✳	.09	.08	.07
253753	HLMP-3301+	FSC	2	Red	Red diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.4	5.4	635	60	✳	.19	.17	.12
302033	LT1814-81	JVP	2	Red	Red clear	T1 ¾	0.197/5	0.34	0.88	0.10	2.1	10	650	10	✳	.08	.06	.04
333489	LUR3330/HO/Aℛ	JVP	2	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.5	380	660	40	✳	.19	.15	.12
94511	LH3330ℛ	JVP	2	Red	Red diffused (XC556RB)	T1 ¾	0.197/5	0.31	0.81	0.08	2.3	3	697	36	✳	.15	.12	.10
104248	LA93B/H-1ℛ*	JVP	10	Red	Red diffused (XC410R)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.25	.21	.19	.15
34690	LFH3360ℛ*	JVP	2	Red	Red diff. blinking (XC5410)[2]	T1 ¾	0.197/5	0.30	0.94	0.07	3-12	2.8	697	—	.39	.35	.29	.25
253817	HLMP-4700+	FSC	2	Red	Red diffused	T1 ¾	0.197/5	0.35	1.10	0.08	1.8	2.0	635	50	.19	.17	.15	.12
34745	LH3333ℛ	JVP	2	Red	Water clear (XC554R)	T1 ¾	0.197/5	0.30	1.00	0.08	1.7	12	697	20	✳	.12	.10	.08
2006756	LTL-5224	LTO	2	Hi-eff Red	Water clear, low profile, flanged	T1 ¾	0.197/5	0.24	1.01	0.10	2.0	29	623	44	✳	.08	.06	.04
334378	UT1841R-81ℛ	JVP	2	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	✳	.10	.08	.06
697602	LTL-4223ℛ	LTO	2	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	19	635	36	✳	.10	.08	.06
697522	LTL-307Eℛ	LTO	5	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.0	19	635	50	✳	.12	.10	.08
2006692	LTL-10224WHCR	LTO	7	Hi-eff Red	Red diffused w/ plastic case	T1 ¾	0.197/5	0.44	0.49	0.10	2.0	60	635	30	✳	.10	.08	.06
790081	LTL-10223Wℛ	LTO	5	Hi-eff Red	Red diffused, flangeless	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	✳	.10	.09	.07
2006730	LTL-307E-3**	LTO	2	Hi-eff Red	Red diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	12.6	623	40	✳	.09	.07	.05
334271	LA93B/Iℛ	JVP	10	Hi-eff Red	Red diffused PCB mnt indicators	T1 ¾	0.197/5	0.36	0.15	0.10	1.7	25	635	46	.19	.15	.12	.10

*10 pcs./**100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 26

[1] Reverse polarity to change color

[2] Volt. shown is operating volt. range; no current limiting resistor required

◉ AMR = American Opto | AVT = Avago | CML = CML Innovative | DIA = Dialight | FSC = Fairchild Semi | JVP = ValuePro | LTO = Lite On | SIE = Siemens | SLD = Sunled Corp | UNI = Unity Opto

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

Standard-Output LEDs (Continued)

NEW MARKED IN PINK

Figure images on previous page

★Web Code: FAF

✳ Order in multiples of 10

Part No.	Product No.	●Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	10	100	1000
697611	LTL-4224ℛ	LTO	2	Hi-eff Red	Red transparent	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	90	635	16	✳	$.10	$.08	$.06
697573	LTL-4213ℛ	LTO	2	Bright Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	3.7	657	36	✳	.10	.08	.06
790225	LTL-307Pℛ	LTO	5	Bright Red	Red diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.1	5.6	657	50	✳	.10	.08	.06
334174	LHI3360ℛ	JVP	6	Red/Orange	Red diffused bi-color/solid state[1]	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	2 & 3	697/635	30	✳	.15	.12	.10
1109260	TLUV5300ℛ	VSH	6	Red/Green	White diffused bi-color/bi-state[1]	T1 ¾	0.197/5	0.30	1.00	0.10	3.0	2.5	630/565	60	✳	.15	.12	.09
334182	LGH3362ℛ	JVP	2	Red/Green	White diff. bi-color/solid state[1]	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	1.2/4.5	697/565	30	✳	.17	.12	.10
34673	LHG3392ℛ*	JVP	6	Red/Green	White diff. bi-color/tri-state	T1 ¾	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	✳	.19	.15	.12
1554831	HLMP-4000ℛ	AVT	6	Hi-eff Red/Grn	White diffused, bi-color	T1 ¾	0.2/5.08	0.36	1.00	0.10	1.9/2.2	2.1/4.2	635/568	65	✳	.15	.12	.10
1584773	HLMP-4000S010ℛ	AVT	10	Hi-eff Red/Grn	White diff. bi-color (right angle)	T1 ¾	0.2/5.08	0.36	1.00	0.10	1.9/2.2	2.1/4.2	635/568	65	.49	.45	.39	.35
697557	LTL-30EFJℛ	LTO	6	Bright Red/Grn	White diffused, bi-color	T1 ¾	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.35	.29	.25	.19
34711	LEG3362ℛ*	JVP	2	Orange/Grn	White diffused bi-color/bi-state[1]	T1 ¾	0.197/5	0.30	1.01	0.09	1.7	4.5	635/565	30	✳	.19	.15	.12
152857	LT1841R-81-Rℛ	JVP	2	Orange Red	Red diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	23.1	630	45	✳	.15	.12	.10
210825	BVU-5M1QN1	BVO	5	Orange Red	Red diffused	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	465	615	30	✳	.08	.07	.05
107393	LE3330ℛ	JVP	2	Orange Red	Orange diffused (XC556A)	T1 ¾	0.197/5	0.30	1.02	0.08	2.3	24	635	36	✳	.10	.08	.06
697696	LTL-4253ℛ	LTO	2	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	19	585	36	✳	.12	.10	.08
334108	UT1831-81-Sℛ	JVP	2	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	90	590	10	✳	.12	.10	.08
333622	LHY3330/HOℛ	JVP	2	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	350	595	40	✳	.15	.12	.10
2125288	LY5469FH	SIE	2	Yellow	Yellow diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	2.0	5	586	50	✳	.08	.06	.05
697549	LTL-307Yℛ	LTO	5	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.1	29	585	50	✳	.12	.10	.08
34825	LY3330ℛ	JVP	2	Yellow	Yellow diffused (XC556Y)	T1 ¾	0.197/5	0.30	0.82	0.07	2.3	12	585	36	✳	.15	.12	.10
2135339	550-0307	DIA	10	Yellow	Yellow tinted	T1 ¾	0.197/5	0.45	0.15	0.10	2.1	12.3	585	60	.29	.25	.22	.17
2133552	550-1206	DIA	10	Yellow	Yellow diffused	T1 ¾	0.197/5	0.55	0.15	0.10	1.9	1.8	583	50	.25	.21	.19	.15
104264	LA93B/Y-1ℛ*	JVP	10	Yellow	Yellow diffused (XC410Y)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.25	.19	.17	.14
1995927	LTL-10253ℛ	LTO	2	Yellow	Yellow diffused, flanged	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.1	12.6	585	60	✳	.08	.06	.05
152831	LT1831-81-URℛ	JVP	2	Bright yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.0	424	593	41	.35	.25	.22	.17
1554603	HLMP-3401-E00B2ℛ	AVT	10	Amber	Amber diffused	T1 ¾	0.197/5	0.36	1.05	0.10	2.0	5.7	583	60	.29	.25	.22	.17
697653	LTL-4233ℛ	LTO	2	Green	Green diffused	T1 ¾	0.197/5	0.40	1.00	0.10	2.1	19	565	36	✳	.12	.10	.08
693901	MCDL-5013GDℛ	MCD	2	Green	Green diffused	T1 ¾	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	✳	.08	.06	.05
697531	LTL-307Gℛ	LTO	2	Green	Green diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	19	565	50	✳	.12	.10	.08
152822	LT1821-81-HEℛ	JVP	2	Green	Green diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	50	567	41	✳	.19	.15	.12
2125296	LG5469FH	SIE	2	Green	Green diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	1.9	5	565	50	✳	.08	.06	.05
253833	HLMP-4740	FSC	2	Green	Green diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.2	2.3	565	50	✳	.12	.10	.08
334086	LG13740ℛ	JVP	2	Green	Green diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	20	565	68	✳	.10	.08	.06
34761	LG3330ℛ*	JVP	2	Green	Green diffused (XC556G)	T1 ¾	0.197/5	0.31	0.79	0.09	2.3	30	565	36	✳	.15	.12	.10
2144981	LTL-432L-11	LTO	10	Green	Green diffused	T1 ¾	0.197/5	0.40	0.63	0.15	2.1	19	569	34	✳	.19	.15	.12
104256	LA93B/G-1ℛ*	JVP	10	Green	Green diffused (XC410G)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	30	565	46	✳	.17	.14	.10
790090	LT-10233Wℛ	LTO	2	Green	Green diffused, flangeless	T1 ¾	0.187/4.75	0.28	1.0	0.10	2.1	40	569	60	✳	.12	.10	.08
2126571	BR-B2134-12V	BRT	2	Green	Green diffused	T1 ¾	0.197/5	0.30	1.04	0.10	12	80	568	35	.25	.19	.17	.12
175687	LT0524-81	JVP	2	Green	Green transparent	T1 ¾	0.197/5	0.24	1.07	0.07	2.1	44	567	30	✳	.08	.06	.04
697661	LTL4234ℛ	LTO	2	Green	Green transparent	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	60	565	16	✳	.08	.06	.04
2100232	LTL-10234WHC	LTO	6	Green	Green clear with plastic case	T1 ¾	0.197/5	0.44	0.49	0.10	2.1	60	565	30	✳	.08	.06	.04
333956	LG3331ℛ	JVP	2	Green	Green transparent	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	150	565	20	✳	.08	.07	.05
11359	LG3333ℛ*	JVP	2	Green	Water clear (BG5704)	T1 ¾	0.197/5	0.30	1.04	0.07	2.3	150	565	20	✳	.08	.07	.05
790321	LTL4238ℛ	LTO	2	Green	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	90	565	16	✳	.10	.07	.05
333227	LG13530ℛ	JVP	5	Hi-eff green	Green diffused (flangeless)	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	25	565	36	✳	.10	.08	.06
2133641	LT641G1HR-H206	JVP	3	Green/Red	Green diffused/red diffused	T1 ¾	0.119/5	0.49	0.24	0.10	2.1	28/40	567/635	38	.29	.25	.19	.15
138691	LVB3330ℛ	JVP	2	Blue	Blue diffused	T1 ¾	0.197/5	0.34	0.98	0.10	4.8	10	430	36	.99	.89	.75	.69
2006764	LTL-2R3CBD3ℛ	LTO	2	Blue	Blue diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	3.5	50	468	45	.49	.39	.29	.25
2133421	SSL-LX5093SWC/A	LUM	2	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.6	200	—	16	.99	.89	.79	.69
138683	LHR3630ℛ	JVP	5	Red	Red diffused XJumbo (XC10R)	10mm	0.394/10	0.40	1.04	0.10	2.0	200	660	32	.25	.22	.17	.12
2152112	MCDL-833SEDℛ	JVP	5	Hi-eff red	Red diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	635	60	.45	.39	.35	.29
2152139	MCDL-833ED-E-610ℛ	JVP	5	Orange	Orange diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	25	610	60	.45	.39	.35	.29
2152121	MCDL-833SYDℛ	JVP	5	Yellow	Yellow diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	590	60	.45	.39	.35	.29
2152104	MCDL-833SGDℛ	JVP	5	Green	Green diffused	10mm	0.394/10	0.43	1.00	0.1	2.2	50	570	60	.49	.45	.39	.35
98984	LVG3630ℛ	JVP	2	Green	Green diffused XJumbo (XC10G)	10mm	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.25	.22	.17	.14
2152147	MCDL-833SBDℛ	JVP	5	Blue	Blue diffused	10mm	0.394/10	0.43	1.00	0.1	4.2	20	430	60	.99	.89	.79	.75
104889	LEG5292	JVP	11	Orange/Grn	White diff. bi-color rectangular	2x5mm	—	0.27	1.02	0.08	2.3	6/6	635/565	116	.25	.22	.17	.14
790356	LTL-433Gℛ	LTO	11	Green	Green diffused, rectangular	2x5mm	—	0.30	1.00	0.10	2.1	3.7	565	140	✳	.12	.10	.08
2133464	SSL-3353SYD	LUM	12	Yellow	Yellow diffused, square	3x3mm	0.119/3	0.18	1.00	0.10	2.5	100	590	80	✳	.10	.07	.05
2005737	LTJ-811Y	LTO	13	Yellow	Sphere lens (12-pin)	20mm dome	0.8/20	0.91	0.53	0.60	2.1	25	565	30	.25	.19	.17	.12

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 26

[1] Reverse polarity to change color

● AVT = Avago | BRT = Bright LED | BVO = BV Optotech | DIA = Dialight | FSC = Fairchild | JVP = ValuePro | LTO = Lite-On | LUM = Lumex | MCD = MCD Elec. | SIE = Siemens | VSH = Vishay

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Medium & High-Output LEDs

Medium-Output LEDs

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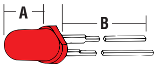


Fig. 1

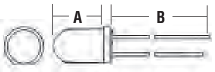


Fig. 2

Fig. 3

★Web Code: MBW

✳ Order in multiples of 10

Part No.	Product No.	◉Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
156954	UT0373-41ℛ	JVP	1	Red Super Bright	Water clear	T1	0.119/3	0.16	0.94	0.10	1.8	100	660	36	✳	$.19	$.15	$.12
333340	LHE2643ℛ	JVP	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	✳	.17	.12	.10
2133632	LT033N-41-UR91	JVP	1	Yellow	Water clear	T1	0.119/3	0.20	0.89	0.10	1.9	700	589	35	✳	.19	.15	.12
333307	LUY2643-1ℛ	JVP	1	Yellow	Water clear	T1	0.197/5	0.13	0.98	0.10	1.7	900	595	40	.35	.29	.25	.19
98968	QLMP-LB98	AVT	2	Blue	Blue clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	550	470	70	.35	.29	.25	.19
334749	UT63B3-41-UR33ℛ	JVP	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	.79	.69	.59	.49
2115688	NSPB346BSTℛ	NCH	2	Blue	Blue diffused (oval)	T1	0.119/3	0.28	0.94	0.10	3.6	720	470	30	.35	.29	.25	.19
334764	LWK2043ℛ	JVP	1	White	Water clear	T1	0.119/3	0.17	0.98	0.10	3.5	900	—	30	.99	.89	.75	.65
333497	LSR13233ℛ	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.5	720	660	18	✳	.19	.15	.12
1995978	LTL-353CKRH4ℛ	LTO	2	Red	Water clear	T1 ¾	0.197/5	0.30	0.91	0.10	1.8	1000	660	12	✳	.12	.10	.08
2077052	HLMP-ED31	AGT	2	Red	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	2.0	1000	630	30	✳	.15	.12	.09
206519	LHR3331ℛ	JVP	1	Red	Red transparent	T1 ¾	0.197/5	0.30	0.98	0.10	1.5	900	550	20	✳	.19	.15	.12
152864	BVU501SR4	JVP	1	Red Super Bright	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	600	660	20	✳	.12	.08	.06
351089	MCDL-517URD-Fℛ	JVP	1	Super Red	Red diffused blinking	T1 ¾	0.197/5	0.30	1.00	0.10	1.8	500	660	120	.49	.45	.39	.35
203553	HLMP-4100	AGT	1	Orange Red	Water clear	T1 ¾	0.197/5	0.45	0.90	0.10	1.8	750	642	8	✳	.08	.06	.04
152792	LT1833-81- M1ℛ	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.95	0.10	2.1	1040	593	19	.29	.25	.19	.15
206501	LVY3331ℛ	JVP	1	Yellow	Yellow transparent	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	1500	595	20	✳	.17	.12	.10
153154	LVG3333ℛ	JVP	1	Green	Water clear (HLMP-8509)	T1 ¾	0.197/5	0.30	1.02	0.10	2.3	500	565	20	✳	.12	.10	.08
156962	LT1823-81-HEℛ	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	500	567	19	✳	.10	.08	.06
333551	LVG13233ℛ	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	600	565	18	✳	.17	.12	.10
2135267	TLHB-5100ℛ	VSH	1	Blue	Water clear	T1 ¾	0.197/5	0.30	0.90	0.10	3.9	250	466	9	.69	.59	.55	.45
134333	383UBC/H2ℛ	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	630	428	30	.99	.89	.79	.69
334465	LDBK3331/H0ℛ	JVP	1	Blue	Blue transparent	T1 ¾	0.197/5	0.30	0.98	0.10	3.5	900	470	26	.89	.79	.65	.59
2133659	LT12W3-4D-UDE3-WD	JVP	3	White	Water clear	T1 ¾	0.181/4.6	0.30	1.00	0.10	3.2	850	—	100	.89	.79	.69	.59
2129625	LDUV3333ℛ	JVP	1	Purple	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.0	450	400	20	.99	.89	.79	.69
2152155	MCDL-833URD-U12ℛ	JVP	2	Super Red	Red diffused	10mm	0.394/10	0.43	1.00	0.10	1.8	600	660	60	.45	.39	.35	.29

High-Output LEDs

- Typical DC forward current 20mA

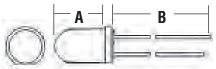


Fig. 1

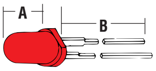


Fig. 2

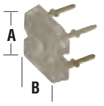


Fig. 3 (Piranha)

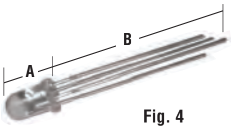


Fig. 4

★Web Code: RBJ

✳ Order in multiples of 10

Part No.	Product No.	◉Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing			
								A"	B"						1	10	100	1000
98950	QLMP-LM98	AVT	1	Green	Green clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	2400	525	70	✳	$.19	$.15	$.12
217525	MCDPW-3004Cℛ	JVP	1	White	Water clear	T1	0.119/3	0.14	1.00	0.10	3.8	3000	—	30	1.39	1.25	1.09	.99
2138855	LUW30243ℛ	WEN	1	White	Water clear	T1	0.119/3	0.17	1.00	0.10	3.2	4000	—	25	1.29	1.19	.99	.89
2138863	LUE30243ℛ	WEN	1	Super Red	Water clear	T1	0.119/3	0.17	1.00	0.10	2.0	3000	625	15	.49	.39	.35	.29
197641	BVT-529TT8E	JVP	1	Yellow	Yellow clear (oval)	T1 ½	0.178/4.5	0.29	0.96	0.08	2.3	3600	592	45	.49	.45	.35	.29
2125413	TLHK5800	VSH	1	Red	Water clear	T1 ¾	0.197/5	0.30	0.90	0.10	1.9	2500	630	4	.25	.19	.15	.12
334423	UT9C13-86-UDC2ℛ	JVP	2	Red	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	1.9	2700	630	18	.25	.19	.17	.15
333526	LUR3833ℛ	JVP	2	Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.5	2700	660	12	.25	.21	.19	.16
1586189	UT1813-83-UJEI	JVP	2	Red	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	5500	632	25	.39	.35	.29	.19
1584917	HLMP-EG08-Y2000ℛ	AVT	2	Red	Red untinted/non-diffused	T1 ¾	0.197/5	0.30	0.94	0.10	1.9	9300	635	6	.49	.39	.35	.29
333447	UT1873-81-UR-P22Rℛ	JVP	1	Super Red	Water clear	T1 ¾	0.197/5	0.30	0.89	0.10	1.9	1600	660	25	.29	.25	.22	.19
2095171	RL50-PR543	JVP	1	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	635	20	.39	.29	.19	.15
334482	UT1813-86-UC9T-P27ℛ	JVP	2	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.30	0.89	0.10	2.2	3500	630	15	.45	.39	.29	.25
197683	BVT-5E1QT4ER	JVP	2	Orange Red	Water clear	T1 ¾	0.197/5	0.29	0.96	0.10	2.3	4650	634	15	.59	.55	.45	.39
2006799	LTL-2R3VYKNTℛ	LTO	2	Orange	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	1300	595	30	✳	.15	.12	.10
333665	LEF3833ℛ	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	1700	620	12	.19	.17	.15	.12
333649	LHE3333ℛ	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	1800	620	20	✳	.17	.12	.10
333657	LUE3333ℛ	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	3400	620	20	.35	.29	.19	.17
333673	LUE3833ℛ	JVP	1	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	5000	620	12	.39	.35	.25	.22
333614	LUY3833Hℛ	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	5000	590	12	.39	.35	.25	.22
333569	LVY3333/Aℛ*	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	2500	590	20	.19	.17	.15	.12
333593	LUY13533ℛ	JVP	2	Yellow	Water clear	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	1500	595	20	.22	.17	.15	.12
333606	LHY3833ℛ	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	2700	595	12	.19	.17	.15	.12
197675	BVT-5E1TT4Eℛ	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.3	7800	592	15	.45	.39	.35	.29
2095189	RL50-PY543	JVP	1	Ultra Yellow	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	595	20	.39	.29	.19	.15
2006772	LTL-2H3VYKNT1ℛ	LTO	2	Amber/Yellow	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	3400	595	15	✳	.12	.10	.07
2006781	LTL-2R3SYKS	LTO	2	Amber	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.2	2800	594	30	✳	.17	.12	.10
334473	LDGL3333/H0ℛ	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	3.5	3400	505	22	.75	.65	.55	.45
1586197	UT4J23-4D-UBC2-S11	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.28	0.94	0.10	3.0	2500	500	28	.45	.39	.35	.29

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 26

◉ AGT = Agilent | AVT = Avago Technology | JVP = Jameco ValuePro | LIG = Ligitek | LTO = Lite-On | NCH = Nichia | VSH = Vishay | WEN = Wenrun Opto

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

High-Output LEDs (Continued)

Figure images on previous page

★*Web Code: RBJ*

Part No.	Product No.	●Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	10	100	1000
2077079	HLMP-CM39-UVCDD	AGT	1	Green	Untinted/non-diffused	T1 ¾	0.197/5	0.30	0.90	0.10	3.2	5000	535	30	**$.49**	**$.45**	**$.39**	**$.35**
183222	MCDL-5013UBC-TLℛ	JVP	2	Blue	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.5	6000	470	18	**1.39**	**1.25**	**1.09**	**.99**
334502	LWK3333ℛ	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.5	5000	—	16	**.89**	**.79**	**.65**	**.59**
334773	UT18W3-86-UAF1-P22ℛ	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.6	2900	—	25	**1.19**	**1.09**	**.99**	**.89**
142894	BVU-5E1WK4-Bℛ	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.5	3700	—	15	**1.49**	**1.35**	**1.19**	**1.05**
320531	MCDL-5013UWCℛ	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	**.99**	**.89**	**.75**	**.65**
2077061	EM-503QWC-R12	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	1.04	0.10	4.5	5000	—	25	**.99**	**.89**	**.75**	**.65**
2115493	UT5HW3-4D-URC3-4861-Rℛ	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	0.95	0.10	4.0	7000	—	30	**1.19**	**1.09**	**.95**	**.79**
2144753	TLWB7600	VSH	3	Blue	Water clear (7.62mm sq.)	2mm dome	0.079/2	0.30	0.30	0.20	4.3	2000	470	30	**1.09**	**.99**	**.89**	**.75**
2005702	LTL912VEKSAℛ	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.15	1200	632	50	**.19**	**.15**	**.12**	**.10**
2129799	LTL911SEKSAℛ	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	600	638	90	**.29**	**.25**	**.19**	**.15**
2005690	LTL911VYKSA	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.15	600	595	70	**.19**	**.15**	**.12**	**.10**
2005729	LTL914SYKS	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	2000	596	30	**.29**	**.25**	**.19**	**.15**
404603	MCDL-1860UGC-TLℛ	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	**.99**	**.89**	**.79**	**.69**
404591	MCDL-1860UBC-15Cℛ	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	**1.39**	**1.25**	**1.15**	**.99**
664341	MCDL-1870UWC-15Cℛ	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	**1.69**	**1.55**	**1.39**	**1.29**
404582	MCDL-1860UWC-15Cℛ	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	**1.59**	**1.45**	**1.19**	**1.09**

RGB High-Output LEDs

NEW MARKED IN PINK

★*Web Code: RGB*

Part No.	Product No.	●Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	10	100	1000
2125181	MCDL-5T8R6G5B6Cℛ	JVP	4	Red/Green/Blue	Water clear	T1 ¾	0.197/5	0.34	1.11	0.028	2.25/3.5/3.5	3500/4000/2000	624/525/470	20	**$1.89**	**$1.69**	**$1.49**	**$1.39**
2128500	MCDL-5013RGBC-TL-A	JVP	4	Red/Green/Blue	Water clear	T1 ¾	0.197/5	0.30	0.78	0.05	2.0/3.5/3.5	3000/5000/1000	628/525/470	25	**1.89**	**1.69**	**1.49**	**1.39**
2152163	MCDL-833RGBW-Bℛ	JVP	1	Red/Green/Blue†	Diffused	10mm	0.394/10	0.43	1.00	0.10	5.0/5.0/5.0	700/800/400	625/525/470	20	**1.49**	**1.35**	**1.19**	**1.09**

2125181: Common Cathode; **2128500:** Common Anode

† Auto blink/color change function

Standard & Ultra-Bright Surface Mount LEDs

★*Web Code: LMS*

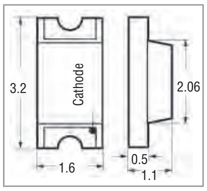


Fig. 1 – 1206

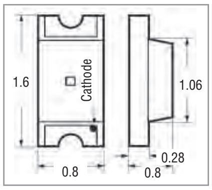


Fig. 2 – 0603

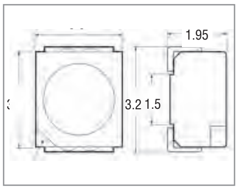


Fig. 3 – PLCC-2

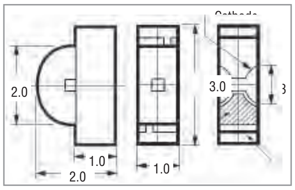


Fig. 4 – 1208 Right Angle

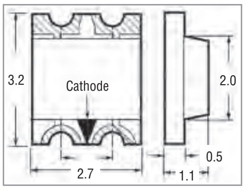


Fig. 5 – 1210

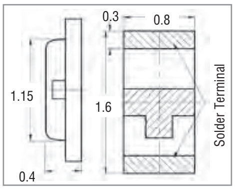


Fig. 6 – 0603 Super Thin

✳ **Order in multiples of 10**

Part No.	Mfr. Part No.	●Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing 1	10	100	1000
1260365	LTST-C190EKTℛ	LTO	2	Red Orange	Water clear	2.0	30	6 @ 10	630	130	✳	**$.05**	**.02**	**$.01**
1557054	HSMS-C660ℛ	AVT	4	Red	Water clear	1.9	20	5 @ 20	639	155	✳	**.17**	**.14**	**.12**
1260357	LTST-C190CKTℛ	LTO	2	Red	Water clear	1.8	40	10 @ 10	660	130	✳	**.05**	**.04**	**.025**
1556414	HSMH-C150ℛ	AVT	1	Red	Untinted, diffused	1.8	20	17 @ 20	630	130	✳	**.10**	**.08**	**.06**
1556431	HSMH-C190ℛ	AVT	2	Red	Untinted, diffused	1.8	20	17 @ 20	660	170	✳	**.08**	**.06**	**.04**
1556422	HSMH-C170ℛ	AVT	1	Red	Untinted, diffused	1.8	20	17 @ 20	660	170	✳	**.08**	**.06**	**.05**
697733	LTST-C150CKTℛ	LTO	1	Red	Water clear	1.8	40	25 @ 20	660	130	✳	**.10**	**.08**	**.06**
658321	MSL-204DR	UNI	3	Red	Water clear	1.8	20	50 @ 20	657	120	✳	**.12**	**.10**	**.09**
1556300	HSMF-C155ℛ	AVT	5	Hi-eff Red/Green	Water clear	2.1/2.2	20/20	10/15 @ 20	630/570	170/170	✳	**.17**	**.14**	**.11**
334318	LG-150E-DTℛ	JVP	1	Orange	White diffused	1.7	20	5 @ 20	635	150	✳	**.08**	**.06**	**.04**
1996111	LTST-C150YKTℛ	LTO	1	Yellow	Water clear	2.1	20	6 @ 10	585	130	✳	**.08**	**.07**	**.05**
334351	YT95531/TRIℛ	JVP	3	Yellow	Water clear	1.7	20	7 @ 10	585	84	✳	**.08**	**.07**	**.05**
697741	LTST-C150GKTℛ	LTO	1	Green	Water clear	2.1	30	6 @ 10	565	130	✳	**.10**	**.08**	**.07**
334369	LVG9553/TRIℛ	JVP	3	Green	Water clear	1.7	20	9 @ 10	565	84	✳	**.10**	**.08**	**.06**
1556406	HSMG-C660ℛ	AVT	4	Green	Water clear	2.2	20	9 @ 20	570	155	**.25**	**.19**	**.15**	**.12**
2039902	LTST-C150FKT*	LTO	1	Green	Water clear	2.1	20	14.2 @ 20	565	130	✳	**.12**	**.10**	**.08**
2047945	LTST-C191TBKT	LTO	5	Blue	Water clear	3.8	20	112 @ 20	468	130	**.25**	**.17**	**.12**	**.10**
334781	LG-150DBK-CTℛ	JVP	1	Blue	Water clear	3.5	20	40 @ 20	470	150	**.39**	**.29**	**.25**	**.19**
658355	MSL-204MB*	UNI	3	Blue	Water clear	3.5	20	120 @ 20	468	120	**.49**	**.45**	**.39**	**.35**
2033164	LTW-C193TS5	LTO	6	White	Water clear	3.15	20	112 @ 5	—	130	✳	**.19**	**.15**	**.12**
658347	MSL-204MWℛ	UNI	3	White	Water clear	3.5	20	400 @ 20	—	120	**.69**	**.59**	**.49**	**.39**
334756	UT5KW3-AA-UAE3-SA8	JVP	3	White	Water clear	3.2	20	750 @ 20	—	120	**.75**	**.65**	**.55**	**.45**

*Ultra-bright AlinGaP surface mount LED

● AGT = Agilent | AVT = Avago Technology | JVP = Jameco ValuePro | LTO = Lite-On | UNI = Unity Opto Technology | VSH = Vishay

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

LED Hardware, Accessories & Driver Modules

Conxrite Locking Header

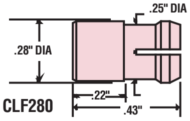
This locking header provides positive locking between PCB and cable assembly.

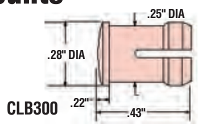
Order in multiples of 10

Part No.	Mfr. Part No.	Description	10	100	500
417682	CNXH03NTPℛ	Horizontal 3-pin	$.15	$.12	$.09

T1¾ Cliplite® LED Lens Mounts

Standard CLF280 and low profile CLB300 provide 180° viewing angle. Colors: red and clear.

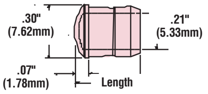




Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
29612	CLF280RTPℛ	T1 ¾	Red	$.29	$.22	$.19	$.17
14277	CLF280CTPℛ	T1 ¾	Clear	.29	.25	.19	.16
124927	CLB300CTPℛ	T1 ¾	Clear	.29	.25	.21	.19

Panel Lens for PCB Mounted T1¾ LED

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

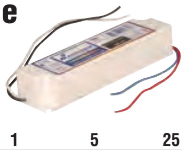


Part No.	Mfr. Part No.	Size	Color	Length	1	10	100	1000
143132	CMC321CTPℛ	T1 ¾	Clear	.33"	$.29	$.25	$.21	$.19

★ *LED Mounting Hardware — Enter Web Code: KAL*

Xitanium LED Driver Module

PHILIPS



Xitanium drivers from Advance deliver solid performance and reliability for 12V lighting system.

- UL and CSA class 2 rated
- Low temperature -40°C
- UL IP66 rated for outdoor use
- High temperature +60°C

Part No.	Description	1	5	25
2120233	12VDC/1A LED driver	$12.95	$11.49	$9.95

1" x 1.56" LED Backlight

JAMECO ValuePro

- IC compatible
- D.C. forward current: 30mA
- Peak wavelength: 567nm @ 20mA
- View angle: 52˚
- Forward voltage: (typical) 4.2V @ 20mA; (max) 6.0V @ 20mA
- Luminous intensity: (min) 14.9mcd @ 20mA; (typical) 24.8mcd @ 20mA

Part No.	Mfr. Part No.	LED Material	Emitting Color	Lens Color	1	10	100
302535	LT1F24-A2-S8	GaP	Green	G.C.	$1.25	$.95	$.75

2-150mA T1 & T1¾ LED Tester

JAMECO BenchPro

Plug any leaded LED into any 2 rows of sockets. 13.1" spaced positions test T1/T1 ¾ LEDs from 2 to 30mA; 13.2" spaced positions test larger footprint (high flux) LEDs from 20 to 150mA. Uses 9V battery (P/N 198731 – sold separately)

Part No.	Description	Size (L x W x H)	1	5	25
355805	LED tester	3.1" x 2.2" x 0.9"	$9.95	$8.95	$7.95

Power LED Driver Module

velleman

- Delivers accurate constant current required by most high power LEDs
- Input voltage: 6-12VAC/9-18VDC
- Power consumption: 650mA max.
- High efficiency due to switch mode principle
- Size: 1.8"L x 1.2"W x 0.64"H
- Short-circuit protected
- Built-in rectifier for easy connection to AC source
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Constant current source: 350mA or 700mA

Part No.	Mfr. Part No.	Description	1	5
2006932	K8071ℛ	1-watt/3-watt module kit	$15.95	$14.49

LEDS AND LAMPS GRAB BAGS

P/N 18041	100 assorted	**$9.95**
P/N 135271	1900 assorted	**99.95**

More Grab Bags, see page 40

Conxrite Pre-Wired Solderless LED Interconnect

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

417463

417560

For complete specifications see **www.Jameco.com**

Part No.	Mfr. Part No.	LED Size	Termination (leads)	Length	1	10	100
143037	CNXCE2108ℛ	T1 ¾ (5mm)	2-pin connector	8"	$1.95	$1.75	$1.59
417463	CNXCE2112ℛ	T1 ¾ (5mm)	2-pin connector	12"	1.69	1.49	1.35
143053	CNXCE2118ℛ	T1 ¾ (5mm)	2-pin connector	18"	1.95	1.75	1.49
673820	CNX440-X02-4-1-08ℛ	T1 ¾ (5mm)	2-pin conn. (twist fit)	8"	1.25	1.09	.99
417560	CNXDF2618ℛ	T1 ¾ (5mm)	3-pin connector	18"	1.25	1.09	.99
417578	CNXDF2624ℛ	T1 ¾ (5mm)	3-pin connector	24"	.95	.85	.75

T1 & T1¾ LED Mounting Hardware

LIGITEK

- Color: black

★ *Web Code: KAL*

95513

23077

95521

Order in multiples of 10

Part No.	Mfr. P/N	Description	Mounting Hole Dia.	Panel Thickness	Pricing 10	100	1000
95513	LA27Bℛ	T1 snap-in	.185"	up to .070"	$.12	$.10	$.08
23077	PT18H013ℛ*	T1 ¾ ring/clip	.257"	up to .125"	.15	.14	.12
95521	LA30Bℛ	Rect. snap in	.306" x .202"	up to .092"	.06	.05	.04

*Manufacturer: Jameco ValuePro

T1 & T1¾ LEDs & LED Mounting Hardware Kit (560 pcs.)

SAVE $16

★ *Web Code: CKS*

Includes:
- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 155 and labels
- 10 ea. standard-output LEDs (114673, 34657, 34606, 114681, 104248, 34690, 34711, 34673, 104264, 34761, 104256, 11359, 11797, 2006705, 333569), pgs 22-24 and LED lens mount (14277), left
- 100 ea. LEDs (202471), pg 21 & (2006730), pg 22
- 100 ea. LED mounting hardware (95513, 23077), above

Part No.	Description	Wt. (lbs.)	1	5
84996	560-piece LEDs & LED hardware kit	5.0	$69.95	$59.95

LED & LED Hardware Assortment Kit (139 pcs.)

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.

- 139-piece hardware assortment kit for T1 and T1¾ LEDs
- Clear plastic case with dividers
- Size: 8.5"L x 4.5"W x 1.5"H

Part No.	Description	Wt. (lbs.)	1	10
418731	Design Engineer's LED hardware kitℛ	0.4	$24.95	$23.95

3 & 10W Constant Current LED Drivers

VASTECH INC

- Type: AC – DC
- Input volt.: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1-watt LEDs or 1 to 3 3-watt LEDs
- 10-watt LED drivers can drive 3 to 8 1-watt LEDs
- Operating temp. range: -20˚C to 40˚C
- Plug in type, 7ft. cable with 2.1mm x 5.5mm center positive plug
- UL/CUL/CE approved

Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	5
2006887	LD-PI7021AFℛ	3-watt LED driver	3-21VDC @ 700mA	$18.95	$16.95
2006879	LD-PI3536AFℛ	10-watt LED driver	3-36VDC @ 350mA	17.95	15.95

High Power LEDs, Modules & LED Strips

LIGITEK MCD High Power LEDs

★ Web Code: HPL

- Superior high-flux output and high luminance
- ESD protection
- Lambertian or 'High Dome' LED has a high hemispherical dome with a wider 140˚ viewing angle
- High dome series projects a wider and clearer light beam

With Heat Sink (2006895)

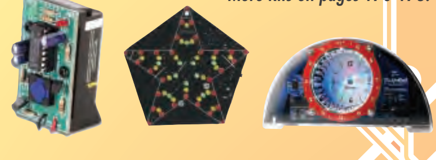
Without Heat Sink (2096780)

Part No.	Mfr.	Mfr. Part No.	Power (W)	Color	Volt. @ Curr. (Vf @ If)	Luminous Flux (lm)	Viewing Angle (˚)	Pricing 1	10	25
2006895	Ligitek	L-HP1PWℛ†	1	White	3.2 @ 0.35A	40	90	**$5.95**	**$5.25**	**$4.75**
2096780	MCD	MCDL-L20-350HPCWℛ	1	White	3.2 @ 0.35A	90	140	**4.95**	**4.49**	**3.95**
2096843	MCD	MCDL-L20-350HPCWSℛ†	1	White	3.2 @ 0.35A	90	140	**5.95**	**5.25**	**4.75**
2096851	MCD	MCDL-L20-350HPWWSℛ†	1	Warm white	3.2 @ 0.35A	86	140	**5.95**	**5.25**	**4.75**
2006908	Ligitek	L-HP3PWℛ†	3	White	3.2 @ 1A	120	90	**7.95**	**6.95**	**6.25**

† Represents Star form factor with heat sink

ELECTRONIC LIGHTING KITS

More kits on pages 170-173.



2131207	Dicision Maker	**$6.95**
2128286	Sound Star	**21.95**
2136569	Bulbdial Clock	**84.95**

TDK Dual CCFL Inverter w/ Dimming Function

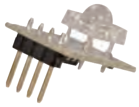
- Dual output
- With brightness control function (PWM mode) and shut-down function
- Input voltage range: 10.8V to 13.2V DC
- Open circuit voltage: 1500Vrms (min.)
- Output voltage: 600Vrms/ch. (@ 12VDC input)
- Size: 6.0"L x 0.85"W x 0.33"H

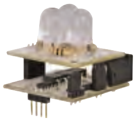
Part No.	Product No.	Description	1	10	100
1852539	CXA-P1212B-WJLℛ	Dual CCFL inverter	**$14.95**	**$13.49**	**$11.95**

BlinkM Programmable Smart LEDs

2123629

2123645


2123637


2123653

Prototyping, experimenting and hacking with light is easier than ever with smart LEDs from ThingM. Choose virtually any color, fade between two colors, or make your own blinking sequence with open source software, then install it into your project and illuminate! No knowledge of programming or electronics required.

2123645/2123637/2123653: 24-bit, 4-pin I2C interface

Part No.	Mfr. P/N	Description	1	5
2123629	LinkMℛ	USB programmer, 4-pin 0.1" I2C, driverless	**$29.95**	**$27.95**
2123645	MiniMℛ	6000 mcd, 120° FOV, 3.6-5V op. volt, 60mA max	**13.95**	**12.95**
2123637	BlinkMℛ	8000 mcd, 140° FOV, 3.6-5V op. volt, 60mA max	**13.95**	**12.95**
2123653	MaxMℛ	445,000 mcd, 30° FOV, 5-24V op. volt, 3A max	**24.95**	**23.49**

JKL Festoon LED – 12V & 24V

★ Web Code: FES

- Voltage and current: LE-0603-02; ±12VDC @ 20mA; LE-0603-04; ±24VDC @ 12mA
- Low heat
- Low power consumption with high intensity
- Scratch and shock resistant glass encapsulated
- Size: 43mm (1.7") L x 10.5mm (0.41") Dia.

Shown with Socket (sold separately)

Lamps

Part No.	Mfr. Part No.	Voltage @ Current	Color	Lumens	1	10	50
2113359	LE-0603-04R	24VDC @ 12mA	Red	2.0	**$2.25**	**$1.95**	**$1.75**
2113341	LE-0603-04Y	24VDC @ 12mA	Yellow	2.0	**2.25**	**1.95**	**1.75**
2113287	LE-0603-02G	12VDC @ 20mA	Green	9.0	**3.95**	**3.49**	**2.95**
2113332	LE-0603-04G	24VDC @ 12mA	Green	9.0	**3.95**	**3.49**	**2.95**
2113279	LE-0603-02B	12VDC @ 20mA	Blue	2.0	**3.95**	**3.49**	**2.95**
2113324	LE-0603-04B	24VDC @ 12mA	Blue	2.0	**3.95**	**3.49**	**2.95**
2113261	LE-0603-02W	12VDC @ 20mA	White	10.0	**4.95**	**4.49**	**3.95**

Socket

Part No.	Mfr. Part No.	Description	1	10	50
2113367	2910F-47	Socket	**$.69**	**$.59**	**$.55**

Digitron Regulated LED Light Engine Module

This ultra-bright LED may be small in size, but it provides a great amount of light. The single LED boasts 3W of power and 200 lumens! The built-in regulated LED drivers can take an input range of 6-30VDC/AC and it even includes AC to DC reverse polarity protection for added safety.

- Thermal grease included
- Heat sink required

Part No.	Mfr. Part No.	Color	Volt	Power	Viewing Angle	1	10
2129220	LHS-01B30-Nℛ	White	6-30	3W	120˚	**$14.95**	**$13.49**

Digitron Ultra Brite LED Modules with Built-In LED Drivers

★ Web Code: LEM

An all-in-one solution to your high power LED lighting needs! Connect directly to any 8-30V battery or power supply without the need for an external LED Driver Module. On-board current regulation circuitry allows the module to operate flawlessly without the need of a heat sink. Only at 1" x 1.25" in size, and linkable up to 30 modules!

Part No.	Mfr. Part No.	#Leds	Power	Volt.	Color	Viewing Angle	lm	1	5
2125763	LHA-06B12-N-00ℛ	6	150mA	12*	White	120°	87	**$9.95**	**$8.95**
2113033	LHA-02B30-G-00ℛ	2	40mA	8-30	Green	120°	22	**7.95**	**6.95**
2113041	LHA-06B30-N-00ℛ	6	74mA	8-30	White	120°	87	**11.95**	**10.95**
2113076	LHA-06B30-G-00ℛ	6	76mA	8-30	Green	120°	65	**9.95**	**8.95**

*Unregulated 12V

YASTECH Flexible Cable RGB LED Strips

This flexible cable LED strip contains 75 surface mount LEDs, each with red, green and blue colors. The strip can be cut into 3 LED sections to fit your lighting application, such as architectural lighting, interior lighting, hallways, under cabinet lighting, boats and automobiles. Connect to the RGB controller, and provide different lighting modes such as flashing mode (fast or slow), slow fade out, and color change mode.

2112647

- Total strip length: 8 feet (P/N 2112647)
- Current requirement: 3A
- Input voltage 12V @ 3 Amps (recommend P/N 155214, pg 109)

2112655

Part No.	Mfr. Part No.	Description	1	5	25
2112647	VLS5060RGB150-8FT	75 LEDs, 8 feet LED strip	**$59.95**	**$53.95**	**$47.95**
2112655	RGB-Connect	RGB cable, 12" wire	**1.75**	**1.49**	**1.35**

JAMECO ValuePro LED Light Strip Modules

- Applications: running light or light source for under cabinets, closets, RVs & enclosures

683235 (17")

1586171 (15")

Part No.	Mfr. Part No.	Color	Viewing Angle	1	5	25
683235	LS1255-150A112ℛ	Yellow	100°	**$7.95**	**$6.95**	**$6.25**
1586171	UY19209-627	White	120°	**18.95**	**16.95**	**15.25**

★ *LED Light Strips — Enter Web Code BDZ*

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

LED Strips, Cables, Infrared Emitters & Detectors

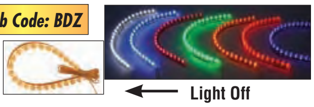
4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

Silicone Sealed Flexible LED Strips

Sealed in silicone gel, this ultra flexible, waterproof, and extra durable super bright LED strip can be bent to any shape and angle to fit your ideal lighting application. For indoor and outdoor use, this can be used for lighting up signs, light boxes, boats, motorcycles, automobiles, airplanes, under cabinets, hallways, architectural lighting, and much more.

- 96 LEDs on each 37.7" long strip
- Simple to install and clean
- Color: white translucent silicone gel casing
- Power requirement: 12V @ 640mA (recommend P/N 2006887, pg 26)

★ Web Code: BDZ


Light Off

Part No.	Mfr. Part No.	Color	Brightness (mcd)	Wavelength (nm)	1	5	25
2112698	FS-Blue	Blue	750	427	**$21.95**	**$19.95**	**$17.95**
2112719	FS-White	White	3500	—	**29.95**	**26.95**	**23.95**

LED SMD Light Ribbons

These full-color ribbon LED strips are flexible and super bright! They are designed for use in interior applications. Their small size and modular design give them flexibility to install in confined spaces such as pelmets, coffers and coves. The 120° wide angle beam ensures that the surface being illuminated is evenly bright.

2128622

2128631

- Self-adhesive backing tape
- Printed circuit board thickness: 0.2mm
- Power requirement: 12VDC @ 300mA (P/N 2006879, pg 26)

Part No.	Mfr. Part No.	Color	# of LEDs/meter	Package/reel	1	5
2128622	5060RGB15B12N1-12*	RGB	30	5 meters	**$74.95**	**$67.49**
2128631	3528W60K12N-12	Pure white	60	2.5 meters	**49.95**	**47.49**

*Recommend RGB controller (P/N 2112663, see web)

Assembled Flex-Lite Colored LED Cables

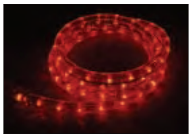
CLOSEOUT

Just Plug It In

★ Web Code: FLX

- Assembled Flex-Lite LED cable kits (5' or 6' lengths)
- Various voltages: 12VDC, 24VDC or 110 Volts
- Sealed LEDs in clear flexible silicon gel
- Includes power supply, power cable and mounting hardware
- Various colors: red, warm white, green, yellow, blue, amber
- Applications: lighting art, accent lighting, under lighting, bookshelves, cupboards, drawers, coin operated machines, trade show exhibit displays

Light Off


Red (Light On)

Square 0.41" x 0.50" (5 or 6 ft.)

Part No.	Mfr. Part No.	Color	Voltage	Length	mcd/ft.	Price
2131792	RF-12F-01-ASSBLY	Red	12VDC	6'	5400	**$9.95**
2131531	RL-12F-02-ASSBLY	Amber	12VDC	6'	7200	**9.95**
2131514	RL-12F-08-ASSBLY	Yellow	12VDC	6'	7200	**9.95**
2131549	RL-12F-04-ASSBLY	Green	12VDC	6'	18000	**9.95**
2131557	RL-12F-05-ASSBLY	Blue	12VDC	6'	3960	**9.95**
2131784	RL-12F-06-ASSBLY	Warm White	12VDC	6'	81000	**9.95**
2131573	RL-13F-01-ASSBLY	Red	24VDC	6'	5400	**9.95**
2131590	RL-13F-08-ASSBLY	Yellow	24VDC	6'	7200	**9.95**
2131565	RL-13F-04-ASSBLY	Green	24VDC	6'	18000	**9.95**
2131581	RL-13F-05-ASSBLY	Blue	24VDC	6'	3960	**9.95**
2131522	RL-13F-06-ASSBLY	Warm White	24VDC	6'	81000	**9.95**
2131629	RL-15F-01-ASSBLY	Red	110VDC	5'	5400	**9.95**
2131637	RL-15F-08-ASSBLY	Yellow	110VDC	5'	7200	**9.95**
2131611	RL-15F-04-ASSBLY	Green	110VDC	6'	18000	**9.95**
2131602	RL-15F-05-ASSBLY	Blue	110VDC	6'	3960	**9.95**

Round 0.50" diameter (5 or 6 ft.)

Part No.	Mfr. Part No.	Color	Voltage	Length	mcd/ft.	Price
2131661	RL-12R-01-ASSBLY	Red	12VDC	6'	5400	**$9.95**
2131653	RL-12R-08-ASSBLY	Yellow	12VDC	6'	7200	**9.95**
2131670	RL-12R-04-ASSBLY	Green	12VDC	6'	18000	**9.95**
2131645	RL-12R-05-ASSBLY	Blue	12VDC	6'	3960	**9.95**
2131725	RL-13R-01-ASSBLY	Red	24VDC	6'	5400	**9.95**
2131717	RL-13R-08-ASSBLY	Yellow	24VDC	6'	7200	**9.95**
2131709	RL-13R-04-ASSBLY	Green	24VDC	6'	18000	**9.95**
2131688	RL-13R-05-ASSBLY	Blue	24VDC	6'	3960	**9.95**
2131696	RL-13R-06-ASSBLY	Warm White	24VDC	6'	81000	**9.95**
2131750	RL-15R-01-ASSBLY	Red	110VDC	5'	5400	**9.95**
2131768	RL-15R-08-ASSBLY	Yellow	110VDC	5'	7200	**9.95**
2131776	RL-15R-04-ASSBLY	Green	110VDC	6'	18000	**9.95**
2131741	RL-15R-05-ASSBLY	Blue	110VDC	6'	3960	**9.95**
2131733	RL-15R-06-ASSBLY	Warm White	110VDC	6'	81000	**9.95**

Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics

★ Web Code: VAP

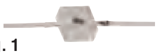


Fig. 1

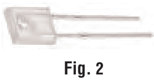


Fig. 2

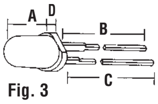


Fig. 3

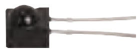


Fig. 4

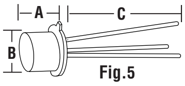


Fig.5

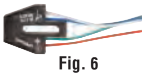


Fig. 6

✳ Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	Wavelngh nm	mWatts	Pricing 1	10	100
2099403	PS5022	JVP	1	Phototransistor	Dome	0.06/1.7	0.13	0.35	0.35	—	5.0 @ 20mA	880	1	✳	**$.12**	**$.10**
790057	LTE-302	LTO	2	Infrared emitter diode (GaAs) side look	Dome	0.06/1.5	0.23	0.63	0.63	0.18	1.2 @ 20mA	940	40	✳	**.17**	**.12**
112150	LIR2043ℛ	LIG	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2 @ 20mA	940	5	✳	**.19**	**.15**
372710	UT0383-41-940	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3 @ 50mA	940	13	**.39**	**.35**	**.29**
1950825	L-34F3CSℛ	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.00	1.06	0.04	1.2 @ 20mA	940	80	**.39**	**.35**	**.29**
112176	LPT2023ℛ	LIG	3	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	30 @ 0.1A	940	100	**.39**	**.35**	**.29**
2125261	TSHA4400	VSH	3	Infrared emitter diode (GaAlAs) water clear	T1	0.114/2.9	0.13	0.90	1.00	0.04	1.5 @ 100mA	875	20	**.35**	**.29**	**.25**
2120410	RPT-38PB3F	RHM	3	Phototransistor	T1	0.125/3	0.18	0.95	0.98	0.03	5 @ 30mA	800	150	**.19**	**.15**	**.12**
1872265	OP505Aℛ	OPT	3	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	0.50	0.03	30VBRCEO @100μA	850	100	**.89**	**.79**	**.65**
1950649	BPV22NF(L)	OPT	4	High speed photo diode	T1 ¾	0.195/5	0.24	1.00	1.00	—	1.0 @ 50mA	940	215	**.65**	**.59**	**.49**
1623349	SFH484-2ℛ	SYL	3	Infrared emitter diode	T1 ¾	0.197/5	0.30	0.50	1.14	1.07	1.5 @ 100mA	880	25	**.75**	**.65**	**.55**
372737	UT1883-81-880ℛ	JVP	3	Infrared emitter diode (GaAs) water clear	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5 @ 50mA	880	16	**.35**	**.29**	**.25**
1872151	OP290Aℛ	OPT	3	Infrared emitter diode	T1 ¾	0.195/5	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	**1.09**	**.99**	**.89**
106526	LVIR3333ℛ	LIG	3	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.34	0.78	0.84	0.04	1.2 @ 20mA	940	8	✳	**.19**	**.15**
372762	UT1883-81-940ℛ	JVP	3	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.3 @ 50mA	940	16	**.29**	**.25**	**.15**
1950622	TSHA5502	VSH	3	Infrared emitter diode (GaAlAs)	T1 ¾	0.200/5	0.30	0.97	1.04	0.04	1.5 @ 1mA	870	210	**.39**	**.35**	**.29**
373001	UT1893-91-0125ℛ	JVP	3	Infrared phototransistor	T1 ¾	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	870	20	**.35**	**.29**	**.25**
2129385	UT1893-45-0125ℛ	JVP	3	Infrared phototransistor	T1 ¾	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	860/940	20	**.35**	**.29**	**.25**
1872441	OP999ℛ	OPT	3	PIN silicon photodiode	T1 ¾	0.205/5.3	0.31	0.69	0.75	0.04	1.2 @ 1mA	200	100	**1.19**	**1.09**	**.99**
120221	BPW77NA	VSH	5	NPN phototransistor	TO-18	0.18/4.69	0.24	0.19	0.52	0.01	70VCEO @ 50mA	850	250	**1.95**	**1.75**	**1.49**
1872759	OPB704WZℛ	OPT	6	Infrared emitting diode/phototransistor	—	0.61/15.5	0.61	24	24	—	1.7 @ 40mA	890	68	**4.95**	**4.49**	**3.95**

JVP = Jameco ValuePro | LIG = Ligitek | LTO = Lite-On | OPT = Optek | RHM = Rohm | SYL = Sylvania | VSH = Vishay

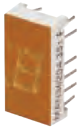
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Avago | Jameco ValuePro | Optek | Ligitek | Lite-On | MCD | Vishay

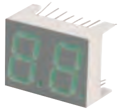
7, 14 & 16-Segment LED Displays

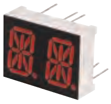
★Web Code: PBW

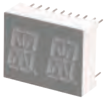
Soldering:
- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W


Single Digit LHDP (2082265)

Single Digit RHDP (14-seg.) (2076703)


2-Digit RHDP (2005358)


2-Digit RHDP (14-seg.) (1955933)


2-Digit RHDP (16-seg.) (2005382)

3-Digit RHDP (1956493)

Single Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
24732	MCD	GNS-3011BH-11ℛ	0.30"	Red	CA	10	1.9 @ 20	0.3 @ 20	697	LHDP/RHDP	**$.99**	**$.89**	**$.75**
24783	MCD	GNS-3011CH-11ℛ	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	**.99**	**.89**	**.75**
24782	Ligitek	LSD3211-11ℛ	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	**.99**	**.89**	**.75**
24740	Ligitek	LSD3221-11ℛ	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	**.99**	**.89**	**.75**
334800	ValuePro	UC3051-11ℛ	0.30"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	**.85**	**.75**	**.65**
2125237	QT Opto	MANC3940	0.30"	Hi-eff Red	CC	10	2.0 @ 20	5.4 @ 20	635	RHDP	**.75**	**.69**	**.59**
1548027	Avago	5082-7611ℛ	0.30"	Hi-eff Red	CA	11	2.1 @ 20	0.8 @ 5	635	RHDP	**2.49**	**1.95**	**1.75**
2129713	Ligitek	LSD3H66F-20Aℛ	0.30"	AlGaInP Red	CA	10	1.7 @ 30	31 @ 30	630	RHDP	**.99**	**.89**	**.79**
2082265	General Instr.	MAN3620A	0.30"	Orange	CA	11	2.5 @ 20	3.3 @ 10	630	LHDP	**.39**	**.29**	**.25**
335011	ValuePro	UA3041-12ℛ	0.30"	Orange	CA	11	2.1 @ 20	3.3 @ 10	635	RHDP	**.69**	**.59**	**.49**
320469	ValuePro	UA3031-16-EWRNℛ	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	**.79**	**.75**	**.65**
2079226	Ligitek	LSD3352-20/RP4ℛ	0.32"	Green	CC	14	2.1 @ 20	3.5 @ 10	565	RHDP	**.79**	**.69**	**.59**
2075698	Ligitek	LSD3362-20/RP4ℛ	0.32"	Green	CA	14	2.1 @ 20	3.5 @ 10	565	RHDP	**.79**	**.69**	**.59**
1955714	Lite-On	LTS-367R	0.36"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	**.59**	**.49**	**.39**
1955722	Lite-On	LTS-4801R	0.40"	Red	CA	10	1.7 @ 20	0.5 @ 10	655	RHDP	**.69**	**.59**	**.49**
2125245	Vishay	TDSR3163-G	0.40"	Red	CC	10	1.6 @ 30	0.18 @ 30	660	RHDP	**.65**	**.55**	**.45**
1955731	Lite-On	LTS-4301R	0.40"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	**.75**	**.65**	**.55**
334844	ValuePro	UC4041R-11	0.40"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.79**	**.69**	**.59**
2005411	Lite-On	LTS-4980AHR	0.40"	Hi-eff Red	CC	14	2.1 @ 20	2.2 @ 10	635	RHDP	**.49**	**.39**	**.29**
2075719	Ligitek	LSD4012-20Aℛ	0.40"	Green	CC	14	2.1 @ 20	2.5 @ 10	565	RHDP	**.69**	**.59**	**.49**
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	**1.09**	**.99**	**.89**
17187	Ligitek	LSD5051-11ℛ	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	**1.09**	**.99**	**.89**
1955749	Lite-On	LTS-5301AR	0.56"	Red	CA	10	1.7 @ 20	0.6 @ 10	655	RHDP	**.89**	**.79**	**.65**
335090	ValuePro	UA5651-11ℛ	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	**1.09**	**.99**	**.89**
334896	ValuePro	UC5641R-11ℛ	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.99**	**.89**	**.79**
335101	ValuePro	UA5641R-11ℛ	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.99**	**.89**	**.79**
104213	Ligitek	LSD5124-10ℛ	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	**.75**	**.65**	**.49**
334880	ValuePro	UC5641-11-EWRNRℛ	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.99**	**.89**	**.79**
1955773	Lite-On	LTS-6680E	0.56"	Orange	CC	10	2.1 @ 20	2.4 @ 10	630	RHDP	**.79**	**.69**	**.59**
334862	ValuePro	UC5621-11ℛ	0.56"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	**.89**	**.79**	**.65**
2075735	Ligitek	LSD5122-20/Aℛ	0.56"	Green	CA	10	2.1 @ 20	4.5 @ 10	565	RHDP	**.89**	**.79**	**.69**
2075751	Ligitek	LSD5112-20/Aℛ	0.56"	Green	CC	10	2.1 @ 20	4.5 @ 10	565	RHDP	**.89**	**.79**	**.69**
2075760	Ligitek	LSD512SBKS-20ℛ	0.56"	Blue	CA	10	3.5 @ 20	12.8 @ 10	460	RHDP	**2.25**	**1.95**	**1.75**
1955829	Lite-On	LTS-3403AP	0.80"	Red Gap	CC	18	2.1 @ 20	0.95 @ 10	697	LHDP/RHDP	**.89**	**.79**	**.69**
18753	Ligitek	LSD8151-10ℛ	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	**1.25**	**1.15**	**.99**
1955811	Lite-On	LTS-3401LC	0.80"	Red Gap	CA	18	1.8 @ 20	8.0 @ 10	660	LHDP/RHDP	**.75**	**.65**	**.49**
18737	Ligitek	LSD8164-20ℛ	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	**1.25**	**1.15**	**.99**
1955837	Lite-On	LTS-3403LY	0.80"	Yellow	CC	18	2.1 @ 20	2.4 @ 10	585	LHDP/RHDP	**.89**	**.79**	**.65**
2005489	Lite-On	LTS-3401LG	0.80"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	LHDP/RHDP	**.89**	**.79**	**.65**
176559	ValuePro	C8021-1	0.80"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	**.89**	**.79**	**.69**
97172	Ligitek	LSD10061-10ℛ	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	**1.59**	**1.25**	**1.09**
308161	ValuePro	LA2541-24EWRN	1.0"	Orange	CA	10	4.2 @ 20	5.2 @ 10	635	RHDP	**1.29**	**1.09**	**.85**
97199	Ligitek	LSD23265-10ℛ	2.24"	Red	CA	10	6.8 @ 20	30 @ 20	660	RHDP	**4.49**	**3.95**	**3.59**
97201	Ligitek	LSD23255-10ℛ	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	**4.49**	**3.95**	**3.59**
105591	Ligitek	LSD40054-20ℛ‡	4.00"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	**8.95**	**7.95**	**7.15**

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ‡ 5 diodes per segment

2-Digit LED Displays continued on next page

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

7, 14 & 16-Segment LED Displays (Continued)

★ Web Code: PBW

Figure images on previous page

Single Digit 14 & 16-Segment Alphanumeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2076703	Ligitek	LSD3E62-20/Aℛ §	0.39"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	**$1.49**	**$1.35**	**$1.09**
2076691	Ligitek	LSD3E6SBKS-20/Aℛ §	0.39"	Blue	CA	16	3.5 @ 20	7.2 @ 10	475	RHDP	**2.95**	**2.49**	**1.95**
308152	ValuePro	LA5041R-11BRRRNℛ †	0.50"	Orange	Alphanumeric	18	2.1 @ 20	7.4 @ 10	635	RHDP	**1.29**	**1.09**	**.99**
2125253	Kingbright	PSC05-11HWA†	0.50"	Bright Red Gap	CC	18	2.0 @ 20	1.9 @ 10	700	RHDP	**1.95**	**1.75**	**1.59**

2-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
1955781	Lite-On	LTD-2701WC	0.28"	Red	CC	10	1.8 @ 20	3.1 @ 5	660	RHDP	**$1.09**	**$.95**	**$.79**
1955845	Lite-On	LTD-383E-R2	0.30"	Red Orange	CA	16	2.0 @ 20	1.6 @ 10	630	RHDP	**.99**	**.89**	**.79**
1955853	Lite-On	LTD-482P-YQ	0.40"	Bright Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	**.99**	**.89**	**.79**
2075786	Ligitek	LDD4062-20/Aℛ	0.40"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	**1.19**	**.99**	**.79**
1955861	Lite-On	LTD-432GC	0.40"	Green	CC	16	2.1 @ 20	1.1 @ 10	565	No DP	**.99**	**.89**	**.79**
2005340	Lite-On	LTD-4608B	0.40"	Blue	CA	10	3.8 @ 20	3.6 @ 10	428	RHDP	**3.95**	**3.59**	**3.39**
24715	Ligitek	LDD5121-20ℛ	0.56"	Red	CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	**1.59**	**1.39**	**1.19**
24723	Ligitek	LDD5111-11ℛ	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	**1.59**	**1.39**	**1.19**
24707	Ligitek	LDD5114-20ℛ	0.56"	Orange Red	CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	**1.59**	**1.39**	**1.19**
200539	Arctic	ELD556YWA	0.56"	Yellow	CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	**.99**	**.89**	**.75**
790022	Lite-On	LTD-6410AGℛ	0.56"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	RHDP	**1.59**	**1.39**	**1.19**
2005358	Lite-On	LTD-5623BG	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	565	RHDP	**1.19**	**1.09**	**.99**
2005366	Lite-On	LTD-6440G	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	570	RHDP	**1.19**	**1.09**	**.99**
2075794	Ligitek	LDD512SBKS-20/Aℛ	0.56"	Blue	CA	18	3.5 @ 20	58 @ 10	475	RHDP	**4.49**	**3.95**	**3.49**

3-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
335055	ValuePro	UN4043-13 EWRSℛ	0.40"	Orange	CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	**$1.95**	**$1.75**	**$1.59**
1956493	Lite-On	LTC561R	0.56"	Red	CA	12	1.7 @ 20	0.6 @ 10	665	RHDP	**2.25**	**1.95**	**1.59**
2125229	ValuePro	LN5643R-11	0.56"	Orange	CA	12	2.1 @ 20	4.5 @ 10	630	RHDP	**.99**	**.89**	**.75**
308224	ValuePro	LM5643R-11RRRN	0.56"	Orange	CC	12	2.1 @ 20	7.4 @ 20	630	RHDP	**1.95**	**1.75**	**1.59**
225963	ValuePro	KW3-562A2B	0.56"	Green	CA	28	2.2 @ 20	15 @ 20	568	RHDP	**2.49**	**2.25**	**1.95**

2-Digit 14 & 16-Segment Alphanumeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2005382	Lite-On	LTP-4323P†	0.40"	Bright Red	CC	20	2.1 @ 20	0.75 @ 10	697	RHDP	**$.99**	**$.89**	**$.79**
2005391	Lite-On	LTP-4323JD†	0.40"	AlInGap Hyper Red	CC	20	2.1 @ 20	0.65 @ 10	650	RHDP	**.99**	**.89**	**.79**
1955870	Lite-On	LTP-4323G†	0.40"	Green	CC	20	2.1 @ 20	2.0 @ 10	569	RHDP	**.99**	**.89**	**.79**
1955896	Lite-On	LTP-3786S-03§	0.54"	AlGaAs Red	CA	18	1.8 @ 20	4.0 @ 10	660	RHDP	**.99**	**.89**	**.79**
1955909	Lite-On	LTP-3785E-01§	0.54"	Red Orange	CA	18	2.0 @ 20	2.0 @ 10	630	RHDP	**.99**	**.89**	**.79**
1955933	Lite-On	LTP-8647AP§	0.54"	Bright Red	††	18	12 @ 8.5	0.9 @ 0.4	697	RHDP	**.99**	**.89**	**.79**
1955917	Lite-On	LTP-3785G-01§	0.54"	Green	CA	18	2.1 @ 20	2.0 @ 10	565	RHDP	**.99**	**.89**	**.79**
335222	ValuePro	UA5422-11 EWRS§	0.54"	Green	CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	**.99**	**.89**	**.79**
2075807	Ligitek	LDD525SBKS-20/Aℛ §	0.56"	Blue	CC	18	3.5 @ 20	10.5 @ 10	460	RHDP	**4.95**	**4.49**	**3.95**

4-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
2006810	Ligitek	LFD2121-20/A-PFℛ	0.28"	Red	CA	12	2.1 @ 20	0.8 @ 10	697	RHDP	**$2.49**	**$2.25**	**$1.95**
1956549	Lite-On	LTC-2623G	0.28"	Green	CA	16	2.1 @ 20	2.0 @ 10	575	RHDP	**2.49**	**2.25**	**1.95**
2006828	Ligitek	LFD4161-20/A-PFℛ	0.40"	Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	**2.49**	**1.95**	**1.59**
1956506	Lite-On	LTC-5837E	0.52"	Red Orange	CA	40	2.0 @ 20	2.2 @ 10	630	RHDP	**1.59**	**1.25**	**.89**
2006836	Ligitek	LFD5221-20/A-PFℛ	0.56"	Red	CA	12	2.1 @ 20	1.0 @ 10	697	RHDP	**2.49**	**2.25**	**1.95**
2005711	Lite-On	LTC-5653G-01	0.56"	Green	CA	12	2.1 @ 20	2.4 @ 10	565	RHDP	**1.95**	**1.75**	**1.59**
1956573	Lite-On	LTC-5848G	0.56"	Green	CA	36	2.1 @ 20	2.4 @ 10	565	RHDP##	**1.95**	**1.75**	**1.59**
335194	ValuePro	UM5624-11-EWRSℛ	0.56"	Green	CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	**2.95**	**2.49**	**2.19**
11360	Lite-On	LTC-585IY	0.56"	Yellow	CA	36	2.1 @ 20	2.1 @ 10	585	RHDP##	**1.59**	**1.25**	**.89**

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ## 1st & 2nd digits only † 16 segment § 14 segment †† Built in M5450 MOS IC driver

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Bar Graph Arrays, Light Bars & Dot Matrix Displays

697477

LED Bar Graph Arrays (10 Elements)

334511

*Web Code: LBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	Pricing 10	Pricing 100
697477	Lite-On	LTA-1000HRℛ	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	$1.09	$.99	$.85
334529	ValuePro	UL10000-HR-RRAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.39	1.25	1.09
334537	ValuePro	UL10000-Y-EWAK	0.20"	Yellow	10	20	2.1 @ 20	1.1 @ 10	585	1.39	1.25	1.09
2115531	Ledtronics	LBG1000G3Bℛ	0.20"	Hi-eff Green	10	20	2.1 @ 10	5 @ 10	565	1.09	.89	.75
697469	Lite-On	LTA-1000Gℛ	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.19	1.09	.79
334511	ValuePro	UL10000-E-EWAK	0.20"	Green	10	20	2.1 @ 20	1.4 @ 10	567	1.19	1.09	.79
1551402	Avago	HDSP-4832ℛ	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20; 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	6.95	6.25	5.59

Fig. 1

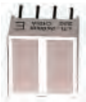


Fig. 2

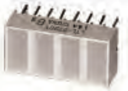
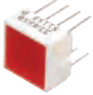


Fig. 3



Light Bars

Fig. 4

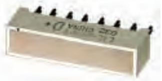
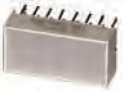


Fig. 5



*Web Code: LTB

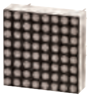
Part No.	Manufacturer	Product No.	Illuminated Color	Light Emitting Area	Package Fig.	Pins/ Leads	Typical Forward Volt	Typical Luminosity	Wavelength nm	Pricing 1	Pricing 10	Pricing 100
1954965	Lite-On	LTL-2600HR	Hi-eff Red	.350" x .150" (2)	1	8	2.1 @ 20	4200	635	$.39	$.29	$.19
1954973	Lite-On	LTL-2800G	Green	.350" x .150" (2)	1	8	2.1 @ 20	4200	565	.39	.29	.19
790188	Lite-On	LTL-2620HRℛ	Hi-eff Red	.350" x .150" (4)	2	16	2.1 @ 20	4200	635	.39	.29	.25
1955001	Lite-On	LTL-2720Y	Yellow	.350" x .150" (4)	2	16	2.1 @ 20	4200	585	.39	.29	.19
334650	ValuePro	UB3541R-11-NRAK	Orange	.350" x .350" (1)	3	16	2.1 @ 20	7800	635	.59	.49	.39
334668	ValuePro	UB3531R-11-NYAK	Yellow	.350" x .350" (1)	3	16	2.1 @ 20	5500	585	.59	.49	.39
334676	ValuePro	UB3521R-11-NGAK	Green	.350" x .350" (1)	3	16	2.1 @ 20	6800	567	.59	.49	.39
2005315	Lite-On	LTL-2350HR	Hi-eff Red	.750" x .150" (1)	4	8	2.1 @ 20	800	635	.59	.49	.39
790153	Lite-On	LTL-2450Yℛ	Yellow	.750" x .150" (1)	4	8	2.1 @ 20	800	585	.39	.29	.19
2005323	Lite-On	LTL-2685HR	Hi-eff Red	.350" x .750" (1)	5	16	2.1 @ 20	1600	635	.59	.49	.39
2005331	Lite-On	LTL-2885G	Green	.350" x .750" (1)	5	16	2.1 @ 20	1600	565	.59	.49	.39

LED Dot Matrix Displays (5 x 7, 5 x 8 & 8 x 8 Arrays)

5 x 7
Dot Matrix

5 x 8
Dot Matrix

8 x 8
Dot Matrix

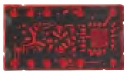


*Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Array Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	Pricing 10	Pricing 100
218843	ValuePro	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8.0 @ 20	660	$1.29	$1.19	$.95
2005420	Lite-On	LTP-747C	0.7"	AlGaAs Red	5 x 7 AC/CR	12	1.8 @ 20	5.8 @ 80	660	1.29	1.19	.95
2005454	Lite-On	LTP-747E	0.7"	Orange	5 x 7 AC/CR	12	2.0 @ 20	2.0 @ 80	630	.99	.89	.79
2005497	Lite-On	LTP-757Gℛ	0.7"	Green	5 x 7 CC/AR	12	2.1 @ 20	2.0 @ 80	565	.99	.89	.75
2132349	ValuePro	LD788BS-SS22	0.8"	Hi-efficiency Red	8 x 8 CC/AR	16	2.0 @ 10	25.9 @ 10	632	3.95	3.59	2.95
1955079	Lite-On	LTP-1557AHR	1.2"	Hi-efficiency Red	5 x 7 CC/AR	14	2.1 @ 20	4.0 @ 80	565/630	.99	.89	.79
2005518	Lite-On	LTP-1557AKAℛ	1.2"	AllnGaP Red Orange	5 x 7 CC/AR	14	2.05 @ 20	3.8 @ 80	621	.99	.89	.79
1955095	Lite-On	LTP-1057AE	1.24"	Red Orange	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	630	.99	.89	.79
2005745	Lite-On	LTP-1057AGNBℛ	1.24"	Green	5 x 7 AC/CR	14	2.1 @ 20	4.0 @ 80	565	1.29	1.19	1.09
1955108	Lite-On	LTP-1057AHR	1.54"	Hi-efficiency Red	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	635	1.29	1.19	1.09
1955132	Lite-On	LTP-2157AHR-RD	2.0"	Hi-efficiency Red	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	635	1.29	1.19	1.09
2005753	Lite-On	LTP-2057AE	2.0"	Orange	5 x 7 AC/CR	14	2.0 @ 20	4.8 @ 80	630	1.29	1.19	1.09
1955116	Lite-On	LTP-2157AE	2.0"	Orange	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	630	1.29	1.19	1.09
335290	ValuePro	UJ2041-21 EWRN	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	1.29	1.19	1.09
206560	ValuePro	LPTL-21157AQBK1	2.0"	Green	5 x 7 CC/AR	14	2.1 @ 20	4.8 @ 80	565	1.95	1.75	1.49
1955159	Lite-On	LTP-2757AA	2.0"	Green/Red Orange	5 x 7 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	2.95	2.59	1.95
2005761	Lite-On	LTP-3057AC	3.0"	AlGaAs Red	5 x 7 AC/CR	14	3.6 @ 20	20 @ 80	660	.99	.89	.79
1955167	Lite-On	LTP-4157AE	4.0"	Orange	5 x 7 CC/AR	14	4.0 @ 20	96 @ 80	630	2.95	2.49	1.95
1955175	Lite-On	LTP-4157AG	4.0"	Green	5 x 7 CC/AR	14	4.2 @ 20	96 @ 80	565	2.95	2.59	1.95
1955183	Lite-On	LTP-2158AHR	2.3"	Hi-efficiency Red	5 x 8 CC/AR	14	2.1 @ 20	4.0 @ 48	635	.99	.89	.79
1955191	Lite-On	LTP-2158AY	2.3"	Yellow	5 x 8 CC/AR	14	2.1 @ 20	4.8 @ 80	585	1.29	1.19	1.19
2151961	ValuePro	GNM-23881BUEPGUB-11ℛ	2.3"	Red/Green/Blue	8 x 8 CC/AR	32	2.0/3.5/3.5 @ 20	110/80/55 @ 20	632/520/470	22.95	21.49	19.95

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row

LED Dot Matrix with Decoder Driver (4 x 7 Hexadecimal Arrays)



*Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Supply Voltage (V)	No. of Characters	Array Polarity	Pins/ Leads	Typical mcd	Wavelength nm	Pricing 1	Pricing 10	Pricing 100
32951	Texas Instruments	TIL311	0.27"	Red	5	1	4 x 7 Hex	11	0.1	660	$19.95	$17.95	$15.95

**For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Thin Film Transistor Module, OLED & LCD Displays

Organic LED (OLED) Serial/Parallel Displays

★Web Code: OLD

2136382

Serial Displays

Scott Edwards Electronics, Inc.

High brightness, high contrast, brilliant display. These displays can operate in wide temperature ranges, consume low power, and have EEPROM storage. Choose from 4 font sizes from regular 16 x 2 to huge 8 x 1 characters.

Part No.	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (VDC @ mA)	Letters/Backlight	Module Size (in.)	Display Size (in.)	1	5	25
2136391	GLO-216G	16 x 2 or 8 x 1	9600	3.3 - 5.3 @ 40 (50mA max.)	Green/Black	3.2 x 1.4 x 0.2	2.6 x 0.6	**$49.95**	**$47.95**	**$45.95**
2136382	GLO-216Y	16 x 2 or 8 x 1	9600	3.3 - 5.3 @ 40 (50mA max.)	Yellow/Black	3.2 x 1.4 x 0.2	2.6 x 0.6	**49.95**	**47.95**	**45.95**

Serial/Parallel Graphics Displays

OLED displays are self-luminous and require no backlingts providing for brighter, higher contrast displays with thinner design options. With wide viewing angles of 160˚ or more and a contrast ration of 2000:1, these displays are the next generation of emissive technology.

2137908/2137916: 8-bit parallel, 3-wire SPI, or 4-wire SPI interface
2137852/2137861: 8-bit parallel, SPI, or I²C interface

NEWHAVEN DISPLAY

2137908

2137861

Part No.	Mfr. Part No.	Input Voltage	Color	Module Size (in.)	Diagonal Size (in.)	Brightness (cd/m²)	1	5	25
2137908	NHD-3.12-25664UCB2ℛ	2.5V	Blue	3.5 x 1.7	3.12	80	**$34.95**	**$32.95**	**$29.95**
2137916	NHD-3.12-25664UCY2ℛ	2.5V	Yellow	3.5 x 1.7	3.12	80	**34.95**	**32.95**	**29.95**
2137852	NHD-2.23-12832UCB3ℛ	3.0V	Blue	2.5 x 1.7	2.23	120	**26.95**	**24.95**	**22.95**
2137861	NHD-2.23-12832UCY3ℛ	3.0	Yellow	3.5 x 1.7	2.23	120	**26.95**	**24.95**	**22.95**

Color TFT (Thin Film Transistor) Module

★Web Code: TFT

NEWHAVEN DISPLAY

- White LED backlight
- Transmissive TFT
- Wide viewing angle
- High brightness LED backlights
- Landscape mode
- Portrait mode: 640 x 480 pixels
- Diagonal view: 5.7"
- Parallel input data: 24-bit
- Input voltage: 3.3V @ 190mA
- Built-in controller: SSD1963
- Display size: 4.5"W x 3.4"H
- Module size: 4.9"W x 3.9"H x 0.15"D
- Recommends NHD-FFC20-1 adapter P/N 2122757 (see web)

Part No.	Mfr. Part No.	1	5	25
2118758	NHD-5.7-640480WF-CTXL#-T	**$129.95**	**$123.49**	**$116.95**

LCD SHIELD FOR ARDUINO

- Compatible with Arduino and Freeduino
- Plugs in directly to the board, no soldering
- 16 x 2 HD44780 compatible display
- White characters & blue backlight
- Uses Arduino LCD4Bit library (available on web)
- 5 buttons – Select, Up, Down, Left, Right
- Adjustable contrast potentiometer

DFROBOT

Part No.	Mfr. Part No.	1	5
2144411	DFR0009	**$17.95**	**$16.95**

For Arduino Products see pages 175-176

★Web Code: ARD

Parallel LCD Displays

★Web Code: GCG

658890

2118619

2118627

210761

2115469

2118635

658953

Part No.	Mfr.	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage (V @ mA)	Letters-Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing 1	5	25
2138791	P-Tec	PC1601J-YLFYDLX	16 x 1	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	**$8.95**	**$7.95**	**$6.95**
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0 @ 1.25	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	**8.95**	**7.95**	**6.95**
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0 @ 2.2	Black-None	2	3.3 x 1.7 x 0.4	2.4 x 0.6	**9.95**	**8.95**	**7.95**
1946068	Tinsharp	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0 @ 1.0	Black-None	—	2.8 x 1.4 x 0.4	2.6 x 0.6	**8.95**	**7.95**	**6.95**
2118619	Newhaven	NHD-021682-FL-YBWℛ	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	4, 5	3.3 x 1.7 x 0.5	2.5 x 0.6	**9.95**	**8.95**	**7.95**
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0 @ 1.3	Black-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	**14.95**	**13.49**	**11.95**
2118598	Newhaven	NHD-0216K1Z-NSW-BBW-Lℛ	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	4, 5	3.2 x 1.4 x 0.5	2.5 x 0.6	**10.95**	**9.95**	**8.95**
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0 @ 1.3	White-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	**12.95**	**11.95**	**10.95**
2118627	Newhaven	NHD-0216SZ-NSW-BBWℛ	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	4, 5	4.8 x 1.7 x 0.5	3.9 x 0.9	**17.95**	**15.95**	**14.49**
2138783	P-Tec	PC1602J-YLFYDLX	16 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	**9.95**	**8.95**	**7.95**
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0 @ 1.6	Black-Yellow/Green	—	3.3 x 1.2 x 0.5	2.4 x 0.6	**9.95**	**8.95**	**7.95**
2081166	Optrex	DMC16249	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 3.0	Black-Grey -None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	**8.95**	**7.95**	**6.95**
210761	ValuePro	UC-16401 (Samsung)	16 x 4	5 x 8	4-bit or 8-bit	6.5 @ 2.2	Black-None	2, 7	3.4 x 2.4 x 0.3	2.4 x 1.0	**19.95**	**17.49**	**15.95**
2138775	Hantronix	HDM20216H-3-500F	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Black-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	**8.95**	**7.95**	**6.95**
2115469	Hantronix	HDM20216H-3-VH0P	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Yellow-White-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	**7.95**	**6.95**	**5.95**
171724	ValuePro	AC-202Aℛ	20 x 2	5 x 8	8-bit	5.0 @ 1.7	Black-Yellow/Green	1, 2	4.6 x 1.5 x 0.4	3.3 x 0.7	**21.95**	**19.95**	**17.95**
2118635	Newhaven	NHD-0220DZ-FL-YBWℛ	20 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	4, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	**16.95**	**14.95**	**13.49**
2118643	Newhaven	NHD-0420DZ-FL-YBWℛ	20 x 4	5 x 8	4-bit or 8-bit	5.0 @ 3.5	Blue-Yellow/Green	4, 6	3.9 x 2.4 x 0.6	3.0 x 1.0	**21.95**	**20.49**	**18.95**
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0 @ 3.0	Black-Yellow/Green	2	7.2 x 1.3 x 0.6	6.1 x 0.6	**19.95**	**17.95**	**15.95**
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0 @ 12	Black-None	—	7.5 x 2.1 x 0.4	5.5 x 0.9	**18.95**	**16.95**	**14.95**
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0 @ 2.0	Black-None	3	3.0 x 2.1 x 0.4	2.4 x 1.3	**19.95**	**17.95**	**15.95**

†**1**. Controller KS0066U or equivalent **2**. Recommended power supply P/N 164101, pg 105 **3**. Dot Graphic LCD display **4**. Recommended power supply P/N 252701, pg 103
5. Controller SPLC78OD or equivalent **6.** Controller SPLC780D-01 or equivalent **7.** Control LSI HD44780 & column driver MSM5259 or equivalents

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Serial LCD Displays & LED Replacement Lamps

Serial LCD Displays

NEW MARKED IN PINK

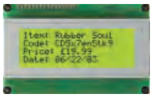
★Web Code: QAW

- For detailed specification sheets, please visit www.Jameco.com.
- One-year warranty

150990

2118651

158166


150957

2152948

281404

2152964

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (V @ mA)	Letters - Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing 1	Pricing 5
150990	Scott Edwards	ILM-216L	16 x 2	1200-9600	4.8-5.5 @ 5	Black-Yellow/Green	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	**$49.95**	**$44.95**
2118651	Newhaven	NHD-0216K3Z-FL-GBWℛ	16 x 2	9600 (default)	5.0 @ 125	Blue-Yellow/Green	—	3.2 x 1.4 x 0.5	2.5 x 0.6	**18.95**	**16.95**
2118660	Newhaven	NHD-0126K3Z-FS(RGB)-FBWℛ	16 x 2	9600 (default)	5.0 @ 18	Black-RGB	—	3.2 x 1.4 x 0.5	2.5 x 0.6	**23.95**	**21.49**
2081975	ValuePro	CFA632-NFA-KS	16 x 2	2400-19,200	5.0 @ 9	Black-None	5	4.3 x 1.7 x 0.6	3.3 x 0.9	**14.95**	**13.49**
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8-5.5 @ 3	Black-None	1,2,8	3.1 x 1.4 x 0.7	2.8 x 1.0	**55.95**	**49.95**
174166	Matrix Orbital	LK162-12Rℛ	16 x 2	1200-19,200	5.0 @ 9	Black-Yellow/Green	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	**59.95**	**56.95**
2135638	Matrix Orbital	LK162-12-WB-C166	16 x 2	1200-19,200	5.0 @ 9	White-Blue	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	**39.95**	**34.95**
2152930	Matrix Orbital	MOS-AL202C-YXℛ	20 x 2	9600-19,200	5.0 @ 198	Black-Yellow/Green	—	7.1 x 1.4 x 1.1	3.3 x 0.7	**39.95**	**37.95**
158166	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	4.8-5.5 @ 15	Yellow-None	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	**68.95**	**61.95**
150957	Matrix Orbital	LCD2041	20 x 4	1200-19,200	5.0 @ 10	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	**69.95**	**66.49**
2118686	Newhaven	NHD-0420D3Z-FL-GBWℛ	20 x 4	9600 (default)	5.0 @ 245	Blue-Yellow/Green	1	3.9 x 2.4 x 0.5	3.0 x 1.0	**23.95**	**21.49**
157323	Matrix Orbital	LK204-25Rℛ	20 x 4 w/ keypad	1200-19,200	5.0 @ 16	Black-Yellow/Green	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	**74.95**	**70.95**
2152948	Matrix Orbital	LK204-7T-1U-TCIℛ	20 x 4 w/ keypad	9600-12,582,912	4.8-5.3 @ 200	Black-Tri-color	9,10	5.5 x 1.5 x 1.1	3.2 x 1.1	**74.95**	**69.95**
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600-115,000	5.0 @ 20	Black-White	1,7	3.9 x 2.4 x 0.4	3.3 x 1.4	**78.95**	**77.95**
2152956	Matrix Orbital	GLK19264-7T-1U-FGWℛ	192 X 64	9600-115,200	5.0 @ 125	Grey-Grey/White	9	5.7 x 1.5 x 1.3	3.2 x 1.1	**84.95**	**79.95**
2152964	Matrix Orbital	GTT480272Aℛ	480 X 272	9600-115,200	4.8-5.3 @ 455	16-bit color	11	5.2 x 3.1 x 0.9	3.8 x 2.2	**239.95**	**219.95**

†**1.** For a power supply, Jameco recommends P/N 164101, pg 105
2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included) **3.** Manual included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings, and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping & auto scroll feature
7. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting & keypad interface
8. LCD Serial Backpack® accepts RS232, CMOS or TTL signal
9. Fits into a 1U opening **10.** 3 status LEDs and tactile keyboard **11.** Touchscree

Multi-Chip, Bayonet and Cluster-Based LED Replacement Lamps

JAMECO ValuePro

★Web Code: KBZ

585 Series Non-Polarized

- Low current draw – 90% less energy than incandescent • No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket

Multi- Chip Based

392702

Bayonet Based

394493

Multi-Chip Based LED T1 - Midget Flange

Part No.	Product No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	Pricing 10	Pricing 100
392690	585-4125	Yellow	14	20	530	630	**$1.95**	**$1.75**	**$1.49**
392702	585-1225	Red	28	4.5	350	625	**2.49**	**2.19**	**1.79**

Bayonet Based LED T3

394493	585-4125ℛ	Red	28	14	350	630	**$2.49**	**$1.95**	**$1.59**

Cluster-Based LED T3 - Miniature Bayonet (BA9s)

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

392593

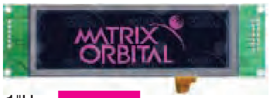
392607

392552	585-5223ℛ	Red	14	20	7000	630	**$3.95**	**$3.75**	**$3.49**
392593	585-5225	Red	28	15	6500	630	**4.95**	**4.49**	**3.95**
392607	585-5325ℛ	Green	28	15	6000	525	**3.95**	**3.49**	**2.95**
392622	585-5525	Yellow	28	15	6000	588	**3.95**	**3.75**	**3.49**
392632	585-5256ℛ	Red	120VAC	5.5	6500	625	**3.95**	**3.75**	**3.49**
392649	585-5356	Green	120VAC	5.5	7000	525	**4.95**	**4.49**	**3.95**

MATRIX ORBITAL

Full Touchscreen Graphic USB LCD Panel

- Displays graphics and text in any font, style, justification and language
- 256kB on-board memory for customizable fonts and graphics
- Customizable backlight brightness, screen contrast, and baud rate
- Tri-color text with black background
- 240 x 64 pixel resolution
- Communication speeds up to 115.2kbps
- Single USB protocol for easy connection
- Fits into a 1U opening • Display size: 3.9"W x 1.1"H
- Power consumption: 4.75-5.25V @ 205mA



NEW MARKED IN PINK

Part No.	Mfr. Part No.	Module Size (W x H x D)	1	5
2152972	GLT24064R-1U-USB-TCIℛ	4.4" x 1.5" x 1.1"	**$179.95**	**$169.95**

JKL

Wedge Base LED Lamps

★Web Code: WBL

Wedge LEDs can replace filament bulbs commonly found in automotive and water craft applications. The LEDs feature an integrated diode for reverse voltage protection and a current limiting resistor.

Part No.	Product No.	Volt. @ Current	Color	Wavelength	Lumens	1	10	100
2123371	LE-0503-03W	12VDC @ 15mA	White	X=0.3; Y=0.29	2.5	**$.95**	**$.85**	**$.75**

Velleman

Electroluminescence Wire

★Web Code: BDZ

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap this fluorescent wire around any object such as musical instruments, models, science projects & presentation boards. Super charge your projects w/ brilliant color.

- Powered by 2 AA batteries

Part No.	Mfr. Part No.	Color	Length	1	5	25
263484	NWRB15	Blue	4.5'.......................	**$22.95**	**$19.95**	**$17.95**

JAMECO ValuePro

Water Clear Lens RGB LEDs

★Web Code: RGB

Complete selection of LEDs on pages 21-28

Now you can have red, green, and blue (RGB) colors from one single LED that provides high radiant power and intensity.

2125181

- LED size: T1¾ (5mm)
- Lens color: water clear
- 4 lead connection
- Can be color-mixed with PWM output to create virtually any color

Part No.	Mfr. Part No.	Type	1	10	100
2125181	MCDL-5T8R6G5B6Cℛ	Common cathode	**$1.89**	**$1.69**	**$1.49**
2128500	MCDL-5013RGBC-TL-A	Common anode...............	**1.89**	**1.69**	**1.49**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Sorenson Lighted Controls

Panel Mount Indicators (LED, Incandescent, Neon)

★ Web Code: SOL

These bright indicator lights come equipped with quick and easy connections. They come in many different types for your specific needs.

- 14/28/125/250/277/480 volts
- .187"/.250" tabs; clamp screw; stripped & tin wires termination
- Red, amber, yellow, green, blue or white
- UL/CUL/TUV/CE approved

KF 12/13 series:
- 22mm (0.88") mounting hole
- Hex nut and panel seal mounting hardware
- Housing: PBT w/ 20% glass
- Lens and hex nut: polycarbonate
- Diffuser: polyacetal

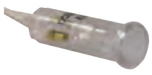


Fig. 1

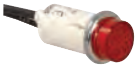
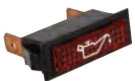


Fig. 2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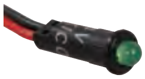
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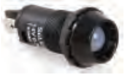
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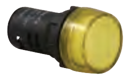
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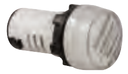


Fig. 7

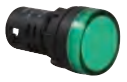


Fig. 8

Part No.	Mfr. Part No.	Fig.	Voltage (V)	Color	Mounting Hole	Type	Termination	1	10	100
2126467	1912-X-00-342-10	1	14	Red	0.312"	LED	15" white wires	**$.99**	**$.89**	**$.79**
2126475	1912-X-00-342-11	1	14	Red	0.312"	LED	15" black wires	**.99**	**.89**	**.79**
2129511	2935-1-12-393-1	2	14	Red	0.51"	Incandescent	6" wires	**.99**	**.89**	**.79**
2129414	3335-4-50-183-A	3	14	Red (oil indicator)	0.375" x 1.28"	Incandescent	0.250" tabs	**.79**	**.69**	**.59**
2129457	3335-4-50-183-A-1001	3	14	Red (temp indicator)	0.375" x 1.38"	Incandescent	0.250" tabs	**.69**	**.59**	**.49**
2126504	4312-1-20-010-10	4	14	Red	0.173"	LED	6" wires	**.79**	**.69**	**.59**
2126432	KE12-4-03-01010	5	14	Red (translucent lens)	0.63"	LED	0.250" tabs	**.79**	**.69**	**.59**
2126715	KF12-6-20-AB210*	6	14	Red (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126782	KF12-6-xx-AB210*	7	14	Red (white base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126740	KF12-6-20-AB280*	6	14	Yellow (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126707	KF12-6-20-AD280†	8	14	Yellow (black base)	0.88"	LED	Clamp screw	**1.49**	**1.25**	**.99**
2129406	3435-4-50-193	9	14	Amber/Green (R/N indicator)	0.375" x 1.28"	Incandescent	0.250" tabs	**.69**	**.59**	**.49**
2126424	KE12-4-03-01020	5	14	Amber (translucent lens)	0.63"	LED	0.250" tabs	**.79**	**.69**	**.59**
2126491	4312-1-20-010-40	4	14	Green	0.173"	LED	6" wires	**.79**	**.69**	**.59**
2126416	KE12-4-03-01040	5	14	Green (translucent lens)	0.63"	LED	0.250" tabs	**.79**	**.69**	**.59**
2126686	KF12-6-20-AB240*	6	14	Green (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126791	KF12-6-xx-AB240*	7	14	Green (white base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126694	KF12-6-20-AD240†	8	14	Green (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126408	KE12-4-03-01050	5	14	Blue (translucent lens)	0.63"	LED	0.250" tabs	**.99**	**.89**	**.79**
2126723	KF12-6-20-AB250*	6	14	Blue (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126766	KF12-6-xx-AB250*	7	14	Blue (white base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.25**
2126731	KF12-6-20-AD250†	8	14	Blue (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126395	KE12-4-03-01060	5	14	White (tanslucent lens)	0.63"	LED	0.250" tabs	**.79**	**.69**	**.59**
2126387	KE12-4-03-050P0	5	14	Pure white (clear lens)	0.63"	LED	0.250" tabs	**.79**	**.69**	**.59**
2131477	6035-1-00-xxx-N/A0	9	14	White (no lens)	0.50" x 0.81"	Incandescent	6" black wires	**.59**	**.49**	**.39**
2126774	KF12-6-xx-AB260*	7	14	White (white base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126660	KF12-6-20-AB260*	6	14	White (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126678	KF12-6-20-AD260†	8	14	White (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126651	KF13-6-20-AB210*	6	28	Red (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126635	KF13-6-20-AD210†	8	28	Red (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126619	KF13-6-20-AB280*	6	28	Yellow (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126643	KF13-6-20-AD280†	8	28	Yellow (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126627	KF13-6-20-AB240*	6	28	Green (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126601	KF13-6-20-AD250†	8	28	Blue (black base)	0.88"	LED	Clamp screw	**1.95**	**1.75**	**1.49**
2126598	KF13-6-20-AD260†	8	28	White (black base)	0.88"	LED	Clamp screw	**1.49**	**1.25**	**.99**
2131485	6039-1-00-xxx-N/A0	9	28	White (no lens)	0.50" x 0.81"	Incandescent	6" black wires	**.69**	**.59**	**.49**
2126184	1850-1-10-201-11ℛ	10	125	Red	0.312"	Neon	6"/5" wires	**1.25**	**1.09**	**.99**
2126483	2415-3-12-216-1	11	125	Red	0.312"	LED	0.187" tabs	**1.25**	**1.09**	**.99**
2129449	2450-3-12-226-1	11	125	Red	0.312"	Neon	0.187" tabs	**.99**	**.89**	**.79**
2126150	2850-1-12-393-1ℛ	2	125	Red	0.51" (0.94"L)	Neon	6" wires	**1.25**	**1.09**	**.99**
2129529	2850-1-12-393-1-R	2	125	Red	0.50" (1.28"L)	Neon	6" wires	**.99**	**.89**	**.79**
2129537	3550-1-00-236-1	12	125	Red	0.375"	Neon	6"/12" wires	**.69**	**.59**	**.49**
2129481	6050-1-00-266-1	13	125	Red (w/ red lens cap)	0.81"	Neon	8" wires	**.79**	**.69**	**.59**
2131397	KF125-6-xx-AC680**	14	125	Yellow (white base)	0.88"	LED	Clamp screw	**2.95**	**2.59**	**2.39**
2129465	6050-1-00-490-0	13	125	Amber (w/o lens cap)	0.81"	Neon	7" wires	**.59**	**.49**	**.39**
2126168	2850-1-12-393-2ℛ	2	125	Amber	0.51"	Neon	6" wires	**1.25**	**1.09**	**.99**
2129490	3350-1-40-183-B	15	125	Amber (heat indicator)	0.375" x 1.28"	Neon	6" wires	**.59**	**.49**	**.39**
2129422	3350-4-50-183-B	3	125	Amber (heat indicator)	0.375" x 1.28"	Neon	0.250" tabs	**.59**	**.49**	**.39**
2126176	2850-1-12-393-4ℛ	2	125	Green	0.51"	Neon	6" wires	**.99**	**.89**	**.79**
2131442	KF125-6-xx-AB250*	14	125	Blue tapered lens (white base)	0.88"	LED	Clamp screw	**2.95**	**2.59**	**2.39**
2131400	KF125-6-xx-AC650**	14	125	Blue dome lens (white base)	0.88"	LED	Clamp screw	**2.95**	**2.59**	**2.39**
2131469	KF125-6-xx-AB260*	14	125	White tapered lens (white base)	0.88"	LED	Clamp Screw	**2.95**	**2.59**	**2.39**
2131426	KF125-6-xx-AC660**	14	125	White dome lens (white base)	0.88"	LED	Clamp screw	**2.95**	**2.59**	**2.39**
2129502	3452-1-40-193-A	16	250	Red (1 / 2 indicator)	0.375" x 1.28"	Neon	8" wires	**1.25**	**1.09**	**.99**

*Tapered lens cap **Semi-dome lens cap † Flat-top lens cap

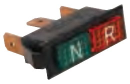


Fig. 9

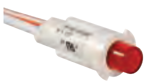
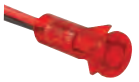


Fig. 10

Fig. 11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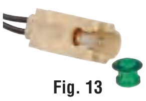


Fig. 13

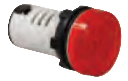


Fig. 14

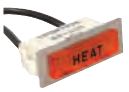


Fig. 15

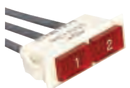


Fig. 16

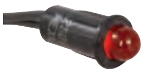


Fig. 17

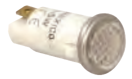


Fig. 18

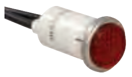


Fig. 19

Continued on next page

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Panel Mount Indicators (Continued)

Sorenson Lighted Controls

Figure images on previous page

★Web Code: SOL

Part No.	Mfr. Part No.	Fig.	Voltage (V)	Color	Mounting Hole	Type	Termination	1	10	100
2129545	4416-1-20-010-1	17	250	Red	0.250"	LED	9" wires	**$.49**	**$.39**	**$.29**
2129473	1052-1-00-266-4	13	250	Green (w/ green lens cap)	0.81"	Neon	8" wires	**.79**	**.69**	**.59**
2129431	3052-3-12-393-4	18	250	Green	0.50" x 0.81"	Neon	0.187" tabs	**1.49**	**1.25**	**1.09**
2131493	6052-4-00-xxx-N/A0	9	250	White (no lens)	0.54"	Neon	0.25" male QC	**.79**	**.69**	**.59**
2126512	2954-X-11-373-10	19	480	Red	0.50"	Neon	15" wires	**.69**	**.59**	**.49**

Neon Bulbs

★Web Code: NOB

Part No.	Mfr. Part No.	Fig.	Description	1	10	100
2129553	9950-X-00-00000-0002	20	125V Neon bulb with 46k resistor, 2" wires	**$.39**	**$.35**	**$.29**
2129570	9950-X-00-00000-0003	21	125V Neon bulb with 220k resistor, 1"/2" wires	**.49**	**.45**	**.35**
2129561	9953-X-00-00000-0001	22	277V Neon bulb with 120k resistor, 2" wires	**.49**	**.45**	**.35**

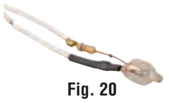


Fig. 20

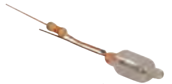


Fig. 21

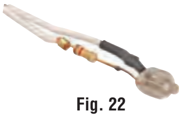


Fig. 22

Accessories for KF Series Indicators

★Web Code: KFA

Part No.	Mfr. Part No.	Fig.	Description	Color	1	10	100
2126820	KF12/KF13-LENS-AB210	23	Lens for KF Series Indicator	Red	**$.25**	**$.22**	**$.17**
2131338	KF12/KF13-LENS-AB240	23	Lens for KF Series Indicator	Green	**.39**	**.35**	**.29**
2131320	KF12/KF13-LENS-AB250	23	Lens for KF Series Indicator	Blue	**.39**	**.35**	**.29**
2126803	KF12/KF13-LENS-AB260	23	Lens for KF Series Indicator	Clear	**.25**	**.22**	**.17**
2131389	KF12/KF13-BASE CVR-AB210	24	Terminal Base Cover for KF Series Indicators	Red	**.39**	**.35**	**.29**
2131362	KF12/KF13-BASE CVR-AB280	24	Terminal Base Cover for KF Series Indicators	Yellow	**.39**	**.35**	**.29**
2131371	KF12/KF13-BASE CVR-AB240	24	Terminal Base Cover for KF Series Indicators	Green	**.39**	**.35**	**.29**
2131354	KF12/KF13-BASE CVR-AB250	24	Terminal Base Cover for KF Series Indicators	Blue	**.39**	**.35**	**.29**
2131346	KF12/KF13-BASE CVR-AB260	24	Terminal Base Cover for KF Series Indicators	White	**.39**	**.35**	**.29**

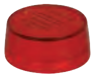


Fig. 23

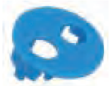
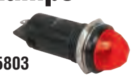


Fig. 24

Neon Panel Mount Lamps

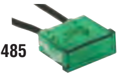
- Input voltage: 120V
- Mounting hole dia.: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)


215803

1585485:

- Rectangular
- 6” wire leads
- Size: .91"L x .38"W x .77"D

★Web Code: JBJ


1585485

✳ Order in multiples of 10

Part No.	Cross Ref. No.	Color	1	10	100
215803	R9-71N-05-120V-Rℛ	Red ..	**$1.95**	**$1.75**	**$1.59**
215812	R9-71N-05-120V-Yℛ	Yellow	**1.95**	**1.75**	**1.59**
215830	R9-71N-05-120V-Gℛ	Green ..	**1.49**	**1.35**	**1.19**
1585485	32501001714	Green	✳	**.15**	**.12**

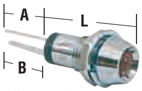
LED Panel Mount Indicators

★Web Code: SOL

- Easy panel installation
- Panel/status/instrument indicators

141111/141129/141137: Chrome housing

141111



141129/141137

377191

637183

Part No.	Cross Ref. No.	Mfr.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100
141111	L922SRD	JVP	T1	Red	.56	.34	.25	.23"	2V @ 20mA	**$.85**	**$.75**	**$.69**
141129	L913RD	JVP	T1	Red	.56	.39	.32	.24"	2V @ 20mA	**1.39**	**1.25**	**1.15**
141137	L917RD	JVP	T1 ¾	Red	.70	.55	.47	.31"	2V @ 20mA	**1.19**	**1.05**	**.95**
377191	577-1702-203ℛ*	DIA	0.7"D	Yellow	1.40	5.0	5.0	.69"	5V @ 80mA	**1.95**	**1.75**	**1.49**
637183	UT2U1G-H113-R801-W05†	JVP	T1 ¾	Green	.55	5.5	5.5	.24"	12V @ 10mA	**.95**	**.85**	**.75**

* Watertight, plastic housing w/ connector † Has internal resistor to run 12V @ 10mA

Incandescent/Neon Panel Mount Lamps

CML

- Mounting hole: .310"Dia.
- Color: red

2099788: Incandescent type

- 2.7VDC @ 60mA

1765849: Neon type

- 105VAC to 125VAC

★Web Code: JBJ

1765849

Part No.	Mfr. Part No.	Lead Wire	1	10	100
2099788	970D00146*	10"	**$.59**	**$.49**	**$.39**
1765849	2150A1	4.4/4.8"	**1.95**	**1.75**	**1.49**

* Manufacturer: Jameco ValuePro

12V Incandescent Panel Mount Lamps

★Web Code: JBJ

- **215715**: Solder terminals - 0.196" (5mm)

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215750	R9-55B-W130-12V-Rℛ	1	Red	9/32" (7mm)	4.9" (120mm)	**$1.49**	**$1.35**	**$1.19**
215758	R9-55B-W130-12V-Yℛ	1	Yellow	9/32" (7mm)	4.9" (120mm)	**1.25**	**1.09**	**.99**
215766	R9-55B-W130-12V-Gℛ	1	Green	9/32" (7mm)	4.9" (120mm)	**1.65**	**1.55**	**1.39**
215774	R9-46B-W100-12V-Rℛ	2	Red	1/2" (13mm)	3.9" (100mm)	**1.49**	**1.35**	**1.19**
215782	R9-46B-W100-12V-Yℛ	2	Yellow	1/2" (13mm)	3.9" (100mm)	**.69**	**.59**	**.55**
215715	R9-71B-05-12V-Rℛ	3	Red	5/8" (16mm)	Terminals	**1.85**	**1.69**	**1.49**

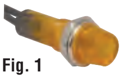


Fig. 1

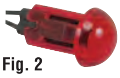


Fig. 2

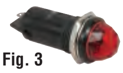
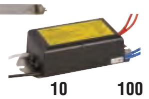


Fig. 3

Ultraviolet Lamp & Ballast (Rapid Start)

2100128


2100005

Part No.	Mfr.	Mfr. Part No.	Description	1	10	100
2100128	Philips	TUV25W/G25	20" T5 ultraviolet lamp	**$3.95**	**$3.49**	**$2.95**
2100005	Lightwave	LW20EB20-120	25W rapid start ballast	**2.95**	**1.95**	**1.59**

BEST SELLING PANEL MOUNT INDICATORS

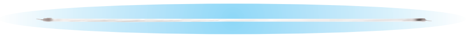
Part No.	Voltage	Color	1	10	100
2126504	14V	Red	**$.79**	**$.69**	**$.59**
2126601	28V	Blue	**1.95**	**1.75**	**1.49**
2126176	125V	Green	**.99**	**.89**	**.79**

See opposite page for complete selection

Great for Indoor Lighting Projects!

10" & 12" Fluorescent Lamps & Power Supply

Now you can easily and affordably mount these fluorescent lamps to add cool cold-cathode effects and give your display a richer look and feel.


2077466

2077440

★Web Code: ABP

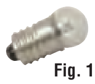
Part No.	● Mfr.	Mfr. Part No.	Description	Size (L" x Dia.")	1	10	25
2077458	JKL	FLC10-16	Cool white lamp†	10 x .160	**$.75**	**$.69**	**$.59**
2077466	JKL	FLC12-12	Cool white lamp†	12 x .120	**.75**	**.69**	**.59**
2077440	VLM	FLPS	12VDC power supply for above lamps and P/N 2077474 (see web)		**3.95**	**3.49**	**2.95**

† 1" solder terminals

● DIA = Dialight | JKL = JKL Components | JVP = Jameco ValuePro | LED = Ledtech | VLM = Velleman Inc.

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Incandescent & Neon Lamps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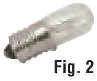
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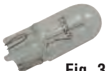
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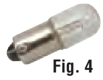
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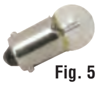
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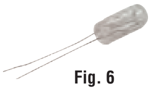
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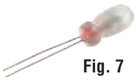
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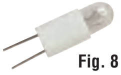
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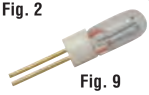
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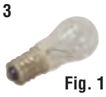
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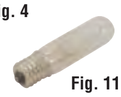
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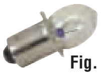
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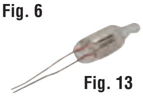


Fig. 13

★ Web Code: DBH

Incandescent Lamps

JAMECO ValuePro

✳ Order in multiples of 10

Part No.	Cross Ref.	Mfr.	Fig.	Description	Volts	MSCP	1	10	100
209390	14	JVP	1	G3 1/2 miniature screw	2.47	.50	**$.45**	**$.39**	**$.35**
209402	40	JVP	2	T3 1/4 miniature screw	6.3	.50	**.35**	**.29**	**.25**
209411	44	JVP	3	T3 1/4 miniature bayonet	6.3	.90	✳	**.15**	**.12**
209429	46	JVP	2	T3 1/4 miniature screw	6.3	.90	**.35**	**.29**	**.25**
209437	47	JVP	4	T3 1/4 miniature bayonet	6.3	.50	**.35**	**.29**	**.25**
209453	53	JVP	5	G3 1/2 miniature bayonet	14.4	1.0	✳	**.15**	**.12**
209509	161	JVP	3	T3 1/4 wedge	14	1.0	✳	**.12**	**.09**
141073	2182	JVP	6	T1 3/4 wire terminal	14	.34	**.49**	**.45**	**.39**
1943916	CM8-A241	JVP	7	T1 wire terminal w/ blue cap	12	.15	**.29**	**.25**	**.19**
141066	2200℟	JVP	6	T1 3/4 wire terminal	5	.05	**.49**	**.45**	**.39**
210008	7328	JVP	8	T1 3/4 bi-pin	6	.60	**.69**	**.59**	**.55**

Incandescent Lamps (Cont.)

JAMECO ValuePro

✳ Order in multiples of 10

Part No.	Cross Ref.	Mfr.	Fig.	Description	Volts	MSCP	1	10	100
210032	7382	JVP	7	T1 3/4 bi-pin	14	.30	**$.65**	**$.59**	**$.55**
210083	7839	JVP	9	T1 bi-pin	28	.15	**.25**	**.22**	**.19**
309673	6S6	JVP	10	S6 candelabra	120	—	✳	**.07**	**.06**
309681	20T6	JVP	11	T6 1/2W intermediate	120	—	✳	**.09**	**.08**
210340	PR2	JVP	12	B3 1/2 sngl cont. mini flange	2.38	.80	✳	**.07**	**.06**
210374	PR6	JVP	12	B3 1/2 sngl cont. mini flange	2.47	.45	✳	**.09**	**.07**

Neon Lamps

JAMECO ValuePro

✳ Order in multiples of 10

★ Web Code: VAD

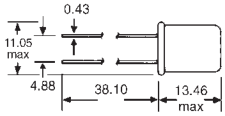
Part No.	Cross Ref.	Mfr.	Fig.	Description	Voltage	1	10	100
27351	A1A (NE-2)	JVP	13	Wire terminal .6mA	65-120	**$.35**	**$.29**	**$.25**
210260	A9A (NE-2E)	JVP	13	Wire terminal .7mA	65-120	✳	**.19**	**.15**
210315	C2A (NE-2H)	JVP	13	Wire terminal	65-120	**.35**	**.29**	**.25**

Crystals & Oscillators

Crystals

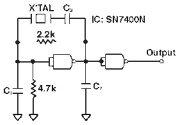
JAMECO ValuePro

- Frequency calibration tolerance: ±50ppm @ 25°C
- Freq. stability tolerance: ±50ppm from -10° to +60°C
- Operating temperature: -10°C to +60°C
- Shunt capacitance: 7pF max.
- Drive level: 4.0mW max.



HC49/U (HC18/U) Case

Dimensions in millimeters



C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

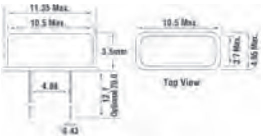
Application Reference (4~14MHz) (parallel resonance)

HC49/U (HC18/U) Case

✳ Order in multiples of 10

Part No.	Frequency (MHz)	Impedance	Pricing 1	10	100
102613	1.8432	18pF	**$.59**	**$.55**	**$.49**
102621	2.0	Series	**.49**	**.39**	**.35**
101274	2.4576	32pF	**.59**	**.55**	**.49**
14533	3.579545	18pF	**.49**	**.39**	**.35**
324988	3.6864	18pF	✳	**.19**	**.15**
324364	4.0℟	Series	**.59**	**.55**	**.49**
14592	4.0	20pF	**.59**	**.55**	**.49**
324371	4.194	12pF	✳	**.09**	**.08**
324451	6.0	32pF	✳	**.22**	**.19**
14728	8.0	Series	**.59**	**.55**	**.49**
14381	10.0	Series	**.59**	**.55**	**.49**
120061	11.0592	Series	**.59**	**.55**	**.49**
324128	11.0592	Series	✳	**.22**	**.19**
324110	11.0592	32pF	**.39**	**.35**	**.28**
14402	12.0	Series	**.59**	**.55**	**.49**
537799	14.31818	Series	✳	**.19**	**.15**
324187	14.7456	20pF	✳	**.19**	**.15**
14453	16.0	Series	**.49**	**.39**	**.35**
324233	18.432℟	20pF	✳	**.19**	**.15**
324268	20.0℟	20pF	**.59**	**.55**	**.49**
14517	20.0	Series	**.59**	**.55**	**.49**
324398	49.86	20pF	✳	**.09**	**.08**

★ Web Code: EAU



HC49/US Low Profile Case

✳ Order in multiples of 10

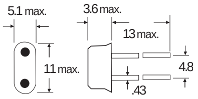
HC49/US Low Profile Case

Part No.	Frequency (MHz)	Impedance	Pricing 1	10	100
324962	4.0℟	20pF	**$.59**	**$.55**	**$.49**
324929	5.0	20pF	**.59**	**.55**	**.49**
324902	5.0688	20pF	✳	**.22**	**.19**
324865	6.0	Series	✳	**.09**	**.08**
324857	6.144	32pF	✳	**.09**	**.08**
324849	6.500	20pF	✳	**.09**	**.08**
324814	7.68	20pF	✳	**.09**	**.08**
324769	9.0	Series	✳	**.22**	**.19**
324742	9.216	Series	✳	**.22**	**.19**
325227	11.0592	20pF	**.29**	**.25**	**.22**
325198	12.0†	20pF	**.29**	**.25**	**.22**
325139	16.0	20pF	**.59**	**.55**	**.49**
325113	18.432℟	20pF	**.49**	**.45**	**.39**
325075	19.6608	7pF	✳	**.09**	**.08**
325964	19.6608	20pF	✳	**.09**	**.08**
325068	20.00℟	20pF	**.59**	**.55**	**.49**
325041	20.48	20pF	✳	**.09**	**.08**
325024	24.0	20pF	**.59**	**.55**	**.49**

† Industrial temperature range is -40°C to 85°C

HC49/S Low Profile Case

- Operating temp.: -10 to +60˚C
- ±5ppm/year max.
- Drive level: 0.5mW (fundamental frequency)
- Frequency stability tolerance: ±50ppm



Part No.	Comparable:	Freq. (MHz)	Imped.	Pricing 1	10	100
137832	CY4LP	4.0	17pF	**$.49**	**$.35**	**$.29**
137859	CY8LP	8.0	Series	**.35**	**.29**	**.25**
137875	CY11.05LP	11.0592	Series	**.49**	**.35**	**.29**
137891	CY16LP	16.0	Series	**.49**	**.35**	**.29**

FOX SMD Oscillator

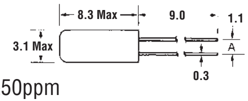
5.0V HCMOS/TTL output

- Frequency stability: ±100ppm
- Dimensions: 7.5mmW x 1.5mmH x 5.2mmD

Part No.	Mfr. Part No.	Freq. (MHz)	Imped.	Pricing 1	10	100
1592263	F3345-200℟	20	25mA	**$1.45**	**$1.29**	**$1.15**

Tuning Forks

- Operating temperature range: -10°C to +60°C
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: ±50ppm
- Aging for first year: ±3ppm (max. +25°C)



Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	**$.49**	**$.45**	**$.39**
325244	JVP-325243℟	12.5pF	**.49**	**.45**	**.39**

BEST SELLING LED POWER SUPPLIES

★ Web Code: LPP

Great for Indoor/ Outdoor Lighting Projects.

- IP65 rated
- Adjustable output voltage and constant current

Part No.	Output	1	10	100
1954877	12V @ 11A℟	**$72.95**	**$68.95**	**$65.95**
1954885	24V @ 6.3A℟	**72.95**	**68.95**	**65.95**

For more LED Power Supplies, see page 124, or www.Jameco.com

℟ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro

TTL Oscillators

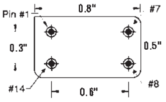
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.
- Machine tooled 4 pins

Full Can

Half Can

Full Can

- Input volt.: +5VDC ±0.5VDC
- Most fit into a 14-pos. DIP socket P/N 133006, below



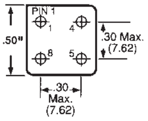
Pin #	Function
1	N/C
7	GND
8	Output
14	+5VVs

★ Web Code: XAD

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100
27861	1.0	7mA	15ns	$1.95	$1.79	$1.59
27879	1.8432	7mA	15ns	1.95	1.79	1.59
27924	2.0	7mA	15ns	1.49	1.35	1.19
27967	4.0	7mA	10ns	1.95	1.79	1.59
354889	4.0ℛ	15mA	10ns	1.19	1.09	.95
325358	7.3728	15mA	10ns	.75	.65	.55
27991	8.0	15mA	15ns	1.95	1.79	1.59
325331	9.216	30mA	10ns	.65	.59	.45
27887	10.0	15mA	10ns	1.95	1.79	1.59
27895	12.0	15mA	10ns	1.49	1.35	1.19
27932	20.0	17mA	10ns	.99	.89	.79
354918	20.0ℛ	30mA	10ns	.75	.65	.55
2135321	24.0	30mA	8ns	.69	.59	.49
27941	32.0	18mA	7ns	.75	.65	.55
76822	33.0	18mA	6ns	1.95	1.79	1.59
153226	40.0	15mA	6ns	.99	.89	.79
76831	50.0	25mA	6ns	.65	.55	.45
2095381	60.0	65mA	5ns	.85	.79	.75
325420	66.666	70mA	5ns	.75	.69	.65

Half Can

- Input voltage: +3.3VDC ±10%
- Most fit into a 8-pos. DIP socket P/N 676385, below



Pin #	Function
1	N/C
4	GND
5	Output
8	+3.3VVs

★ Web Code: MAM

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100
325462	1.0	15mA	10ns	$1.29	$1.19	$1.09
325471	1.2288	15mA	10ns	.75	.69	.65
325518	3.6864	15mA	10ns	.75	.69	.65
325526	4.0	15mA	10ns	1.19	1.09	.95
102779	10.0	30mA	6ns	1.19	1.09	.95
325631	16.257	30mA	10ns	.75	.69	.65
325649	18.432	30mA	10ns	.75	.69	.65
325665	20.0	30mA	10ns	1.19	1.09	.95
325737	48.0	70mA	5ns	.75	.69	.65

Crystal Oscillator Sockets

- Good for prototyping and PCB mounting
- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins

133006

★ Web Code: COS

Part No.	Description	1	10	100
676385	8-pos. socket for half canℛ ..	$.55	$.45	$.35
133006	14-pos. socket for full can	.55	.45	.35

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/CEE4 spec.
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A

Part No.	Mfr. Part No.	1	10	25
645343	K/FF	$15.95	$14.95	$13.95

JAMECO ValuePro

Fuses

5mm x 20mm Mini Fast Acting GMA Fuses (250V)

★ Web Code: QAM

- Recommended for new designs

Part No.	●Mfr.	Cross Ref.	Amps	1	10	100
103887	JVP	GMA-250mAℛ	.25A	$.29	$.25	$.22
102041	JVP	GMA-500mAℛ	.5A	.29	.25	.22
103908	JVP	GMA-1ℛ	1A	.29	.25	.22
103916	JVP	GMA-2ℛ	2A	.29	.25	.22
103924	JVP	GMA-3ℛ	3A	.29	.25	.22
103932	JVP	GMA-5ℛ	5A	.29	.25	.22

1 1/4" x 1/4" Standard Fast Acting (250V) AGC/3AG Fuses

★ Web Code: AAB

Part No.	●Mfr.	Cross Ref.	Amps	1	10	100
69404	JVP	AGC-250mAℛ	.25A	$.35	$.29	$.25
10410	JVP	AGC-0.5	.5A	.35	.29	.25
10373	JVP	AGC-1ℛ	1A	.35	.29	.25
652949	LTL	312001.HXPℛ	1A	.35	.29	.25
197528	JVP	AGC-1.6	1.6A	.35	.29	.25
10382	JVP	AGC-2ℛ	2A	.35	.29	.25
69439	JVP	AGC-3Rℛ	3A	.35	.29	.25
197544	JVP	AGC-4	4A	.35	.29	.25
10402	JVP	AGC-5ℛ	5A	.35	.29	.25
197552	JVP	AGC-6.3	6.3A	.35	.29	.25
69462	JVP	AGC-10	10A	.35	.29	.25
186301	JVP	AGC-16	16A	.35	.29	.25

5mm x 20mm Mini Slow Blow GMD Fuses (250V)

★ Web Code: RAM

Part No.	●Mfr.	Cross Ref.	Amps	1	10	100
2125659	BSM	GMD-200	0.2A	$.39	$.35	$.29
197502	JVP	GMD-500mAℛ	0.5A	.39	.35	.29
2129836	BEL	5ST(P)630ℛ	0.63A	.35	.29	.25
103827	BSM	GMC-1A*	1A	.35	.29	.25
197465	JVP	GMD-1ℛ	1A	.39	.35	.29
197472	JVP	GMD-2	2A	.39	.29	.25
197482	JVP	GMD-3.15ℛ	3.15A	.39	.35	.29
197500	JVP	GMD-5ℛ	5A	.39	.35	.29

* Medium time delay type

1 1/4" x 1/4" Standard Slow Blow MDL/3AG Fuses (250V)

★ Web Code: EAD

Part No.	●Mfr.	Cross Ref.	Amps	1	10	100
25655	JVP	MDL-1/4ℛ	.25A	$.59	$.55	$.49
25689	JVP	MDL-1/2	.5A	.59	.55	.49
25639	JVP	MDL-1ℛ	1A	.59	.55	.49
25646	JVP	MDL-2	2A	.59	.55	.49
69535	JVP	MDL-3ℛ	3A	.49	.45	.39
25672	JVP	MDL-5ℛ	5A	.59	.55	.49
69570	JVP	MDL-10ℛ	10A	.59	.55	.49

★ Fast Acting 3AB Fuses — Enter Web Code ABF

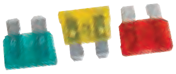
OPTIFUSE

Auto Fuses

Automotive Blade Fuses

★ Web Code: ATF

- Standard for all low-voltage battery applications
- Rated at 32VDC



Part No.	Mfr. Part No.	Amps	1	10	100
2135961	APR-30Aℛ	30A	$.29	$.25	$.22
2135953	APR-25Aℛ	25A	.29	.25	.22
2135945	APR-20Aℛ	20A	.29	.25	.22
2135937	APR-15Aℛ	15A	.29	.25	.22
2135929	APR-10Aℛ	10A	.29	.25	.22
2135911	APR-7.5Aℛ	7.5A	.29	.25	.22
2135902	APR-5Aℛ	5A	.29	.25	.22
2135890	APR-3Aℛ	3A	.29	.25	.22

Fast Acting Limiter Fuses

- For use in high power DC applications
- Rated at 32VDC
- Use with a BLC-09-GTA fuse block (P/N 2136307, pg 38)

★ Web Code: LFL

Part No.	Mfr. Part No.	Amps	1	10	100
2135996	ANE-150Aℛ	150A	$7.95	$7.49	$6.95
2135988	ANE-100Aℛ	100A	7.95	7.49	6.95
2135970	ANE-50Aℛ	50A	7.95	7.49	6.95

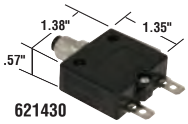
GC ELECTRONICS

Circuit Breakers

- Quick connect style terminals (.25")
- Actuator: black plastic button
- Mounting hole: 0.450"
- Current rated for 125/250VAC/32VDC

★ Web Code: LCF

Includes: hardware: nut, knurled nut, ID plate



621430

Part No.	Mfr. Part No.	Curr. Rating (A @ VAC)	1	10	100
621376	35-2105ℛ	5 @ 125/250 ...	$3.49	$2.95	$2.75
621413	35-2110ℛ	10 @ 125/250	3.49	2.95	2.75
621430	35-2115ℛ	15 @ 125/250	3.49	2.95	2.75
621448	35-2120ℛ	20 @ 125/250	3.49	2.95	2.75

Littelfuse

Fuse Holders

★ Web Code: UEA

Omni-Blok® Molded Base Fuse Block

- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass
- Solder terminal *1 3AG 2 5x20mm

Part No.	Mfr. Part No.	Curr. Rating	Size*	1	10	100
1711947	354001-GYℛ	15A, 300V	1 ...	$.95	$.85	$.79
1712608	520101ℛ†	10A, 300V	2	.75	.69	.65

† PCB mount

Panel Mount for 3AG Fuse

- Dielectric strength: 2400V min.
- Black thermoplastic, UL94V-0
- Terminals: copper & copper alloy, tin plated

Part No.	Mfr. Part No.	Curr. Rating	1	10	100
1711681	03420012Hℛ	20A	$2.29	$2.19	$2.09

GRAB BAG: 100 ASSORTED CRYSTALS AND OSCILLATORS

ONLY $7.95

P/N 114446

A Variety of Frequencies and Packages, see page 40 for more Grab Bags.

● BEL = BEL Fuse Inc | BSM = Bussman | JVP = Jameco ValuePro | LTL = Littelfuse

Fuses, Fuse Holders & Blocks

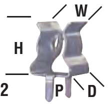
Fuse Holders & Clips

★ Web Code: UEA

Low Profile Fuse Clips

†1. For GMA/GMD fuses 2. For 3AGC/MDL/AG fuses

- Low contact resistance
- Withstands shock/vibration
- Order in multiples of 10



102842

Part No.	Description	For Use With†	Size (H" x W" x D" x P")	10	100	500
119280	5mm, side leads	1	.33 x .25 x .20 x .21	$.15	$.13	$.09
102860	5mm, front leadsℛ	1	.37 x .25 x .21 x .19	.15	.13	.09
2099438	1/4", side leads	2	.42 x .25 x .20 x .21	.09	.08	.07
102842	1/4", front leads (10A)ℛ	2	.32 x .27 x .25 x .23	.15	.13	.09

5mm x 20mm Miniature Thumbscrew Cap Holders

- Straight solder terminal
- Size: 1.5"L x 0.6"Dia.

2136331

Part No.	Mfr.	Curr. (A @ VAC)	Mounting Hole	1	10	100
150464	ValueProℛ	6 @ 250	.50"Dia. x .43"Flat	$1.09	$.99	$.89
102825	ValueProℛ	10 @ 250	.50"Dia.	1.25	1.09	.95
2136340	Optifuseℛ*	10 @ 250	.50"Dia. x 0.46"Flat	1.59	1.45	1.29
2136331	Optifuseℛ†	10 @ 250	.50"Dia. x 0.46"Flat	1.59	1.45	1.29

*Blue cap †Red cap

1¼" x ¼" Standard Thumbscrew Cap Holders

- Straight solder terminal
- Current: 10A @ 250VAC

18703

Part No.	Mfr.	Size (L x Dia.)	Mounting Hole	1	10	100
120994	ValueProℛ	1.95" x .71"	.58"Dia. (Double D-style)	$.95	$.85	$.69
18703	ValueProℛ	2.05" x .71"	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.19
2136323	Optifuseℛ*	1.74" x .83"	.59"Dia. x .53"Flat	1.59	1.45	1.29
2136315	Optifuseℛ†	1.74" x .83"	.59"Dia. x .53"Flat	1.59	1.45	1.29

*Blue cap †Red cap

5mm x 20mm Miniature Low Profile Fuse Holder

- Current: 10A @ 250VAC
- D-style

Part No.	Mfr.	Approvals	Size (L" x Dia.")	Mounting Hole	1	10	100
102832	ValuePro	UL/CSA	1.4 x 0.6	.5"Dia. x .46" Flat	$2.19	$1.99	$1.79

5mm x 20mm Miniature In-Line Fuse Holder

Part No.	Mfr.	AWG	Wire Color	Body Size	1	10	100
109330	ValuePro	20	Red	1.8"L	$.69	$.65	$.59

1¼" x ¼" Standard In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center

102868

2136631

Part No.	Mfr.	AWG	Wire Lengths	Body Length	Color (Body/Wire)	1	10	100
109322	ValueProℛ	22	3.5/3"	2.4"	Black/Red	$.79	$.75	$.69
102868	ValueProℛ	20	3/3"	2.2"	White/Red	.89	.79	.69
151918	ValueProℛ	18	6/6"	2.4"	White/Red	1.19	1.09	.95
108784	ValueProℛ	16	21/26"	2.2"	Black/Orange	1.79	1.55	1.29
108792	ValueProℛ	14	19/25"	2.5"	Black/Red	2.49	2.25	1.95
2136631	Optifuseℛ#	—	—	2.77"	Yellow	2.25	1.95	1.75

# 32VDC rated @ 30A

1¼" x ¼" PCB Fuse Holder

- Current: 16A @ 250V
- Mfr.: Bussman

Part No.	Approvals	Size (in.)	Description	1	10	100
1769743	UL/CSA/VDE	1.86 x .51	.4 x .4 grid	$3.95	$3.75	$3.49

Fuse Blocks

★ Web Code: OFB

2136307

2136243

2136251

2136294

Part No.	Mfr. Part No.	Description (Rating)	Compatible Fuses	1	10	100
2136307	BLC-09-GTAℛ	Open-link style for low amperage applications, cover included	ANE & ANF fuse-limiters	$11.95	$11.49	$10.95
2136243	BLC-20Aℛ	Single, snap-together block for multi-pole applications (125VAC, 15A) (250VAC, 10A)	1/4" x 1-1/4" fuses	1.09	.99	.89
2136251	BLC-20Cℛ	Single, snap-together block for multi-pole applications (125VAC, 8A) (250VAC, 8A)	5mm x 20mm fuses	1.09	.99	.89
2136294	BLR-I-301ℛ	1-pos. w/ snap-in mount (124VDC, 30A), cover included†	Automotive-blade fuses	3.49	3.19	2.89
2136260	BLR-I-304ℛ	4-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	14.95	13.49	11.95
2136278	BLR-I-306ℛ	6-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	16.95	14.95	13.49
2136286	BLR-I-310ℛ	10-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	21.95	19.95	17.95

2136260

2136278

2136286

† LED indicator and 1/4" quick connect terminals

Resettable Fuses

★ Web Code: SBF

Polymer Positive Temperature Coefficient (PPTC) fuses improve product quality performance and are resettable.

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

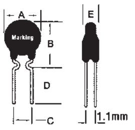


Fig. 1

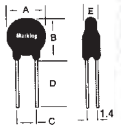


Fig. 2

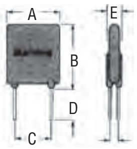


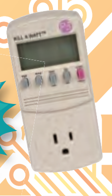
Fig. 3

Part No.	Mfr. P/N	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	E	Pricing 1	10	100
199832	RA020-60ℛ	0.20	0.40	1	7.4	12.2	5.1	3.1	$.49	$.45	$.39
199858	RA030-60ℛ	0.30	0.60	1	7.4	13.0	5.1	3.1	.59	.55	.49
199874	RA050-60ℛ	0.50	1.00	1	7.9	13.7	5.1	3.1	.59	.55	.49
199882	RA065-60ℛ	0.65	1.30	1	9.7	14.5	5.1	3.1	.59	.55	.49
199912	RA110-60ℛ	1.10	2.20	2	13.0	18.0	5.1	3.1	.59	.55	.49
199938	RA160-60ℛ	1.60	3.20	2	16.3	21.3	5.1	3.1	.59	.55	.49
200062	RB500-30ℛ	5.00	10.00	3	14.0	24.9	10.2	3.0	.59	.55	.49

KILL A WATT™ ENERGY CONSUMPTION METER

P3 INTERNATIONAL

- Measure how much energy appliances consume
- Calculate your electricity expense by the day, week, month and even year



SAVE ENERGY!

P/N 2075946 $22.49 See page 132 for details.

Resonators & Varistors

Ceramic Resonators

★ Web Code: CRS

- Frequency accuracy: ±0.5% @ 25°C
- Extended temp. range: -20°C to +85°C
- Withstanding volt. (5 sec): 100V max.

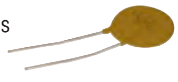
324727

324672

Part No.	Product No.	Frequency	Resistance	Pins	1	10	100
324727	TZTT-8.00MTℛ	8.0MHz	25Ω	3	$.49	$.45	$.39
324566	TZTA-12.00MT	12.0MHz	25Ω	2	.49	.45	.39
324672	TZTT-20.00MTℛ	20.0MHz	55Ω	3	.49	.45	.39

LA Equivalent Series Radial Leaded Varistors

- Recognized as transient voltage surge suppressors
- Designed to be operated continuously across AC power lines
- No derating up to 85°C ambient
- UL/CSA/VDE approved



★ Web Code: CEF

Part No.	Product No.	Continuous Voltage $V_{M(AC)}$	$V_{M(DC)}$	Transient Energy Joules	Max. Clamping Voltage V_c	$I_{PK(A)}$	Pricing 1	10	100
34446	V130LA10A	130	175	38	340	50	$.39	$.35	$.29
34462	V130LA20A	130	175	70	340	100	.59	.55	.49
667059	V130LA20Bℛ	130	200	140	340	100	.59	.55	.49
1776054	V150LA10A	150	200	45	395	50	.29	.25	.22
667121	V150LA20Aℛ	150	240	170	395	100	.45	.39	.35
34471	V250LA20	250	330	72	650	50	.39	.35	.29
2126221	V275L40A	275	369	140	710	100	.29	.25	.22
1843122	B72220S0271K101	275	350	151	710	100	.49	.45	.39
2129393	B72220S301K501	300	385	173	775	100	.49	.45	.39

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Includes the Most Popular Components with Extra Spaces for Your Customized Expansion

- Each kit includes drawer component cabinet (319600) and 20 plastic dividers (319611)
- Each kit has the most popular components in its category
- Each kit is designed for your specific expansion
- Includes identification labels for each drawer, with reorder numbers to replenish stock and blank adhesive labels for empty drawers
- Free standing or wall mountable cabinet • Weight of kits: 4.6 to 6.4 lbs.
- Cabinet size: 6.0"L x 15.0"W x 7.9"H • Drawer size: 5.5"L x 2.7"W x 1.5"H
- 20 clear plastic drawers (319601) and 20 dividers (319611) • Cabinet: ABS-black (P/N 319600 see pg 155)

85059 (Switch Kit)

81841 (Capacitor Kit)

7400 Series IC Kit

SAVE $159

Includes 350 pcs. (30 Types) 7400 (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	10 each	20 each
7402	7416	7432	74121	74157	7400
7405	7417	7438	74123	74160	7404
7408	7420	7447	74132	74174	7406
7410	7427	7485	74151	74175	7407
7414	7430	74107	74153	74279	7474

Part No.	Description	1	5
84953	350 pcs. 7400 series IC kit	$294.95	$269.95

74LS00 Series IC Kit

SAVE $123

Includes 420 pcs. (35 Types) 74LS00 (TTL) Integrated Circuits

10 each	10 each	10 each	10 each	20 each
74LS05	74LS73	74LS125	74LS193	74LS00
74LS10	74LS75	74LS139	74LS240	74LS02
74LS11	74LS85	74LS151	74LS244	74LS04
74LS14	74LS86	74LS155	74LS245	74LS08
74LS20	74LS90	74LS157	74LS273	74LS32
74LS30	74LS93	74LS174	74LS373	74LS74
74LS47	74LS123	74LS175	74LS374	74LS138

84961	420 pcs. 74LS series IC kit......	$159.95	$144.95
130391	Refill for 84961 (420 pcs.)	144.95	129.95

CD4000 Series (CMOS) IC Kit

SAVE $40

Includes 300 pcs. (25 Types) CD 4000 Series Integrated Circuits

10 each	10 each	10 each	10 each	20 each
CD4015	CD4024	CD4051	CD4093	CD4001
CD4016	CD4027	CD4069	CD4511	CD4011
CD4017	CD4040	CD4070	CD4538	CD4013
CD4020	CD4046	CD4071	CD4543	CD4049
CD4023	CD4050	CD4081	CD4584	CD4066

84970	300 pcs. CD 4000 series IC kit ..	$89.95	$79.95
130403	Refill for 84970 (300 pcs.)	74.95	67.95

Linear IC Kit

SAVE $84

Includes 480 pcs. (40 Types)

10 each	10 each	10 each	10 each	20 each
TL72CP	LM337T	LF412CN	ULN2803A	LM317T
TL74CN	LF353N	LMC555CN	NE5532N	LM324N
TL082CP	LF356N	LM556N	7808T	LM339N
TL084CN	LM358N	LM723CN	78L12CZ	LM741CN
MAX232CPE	LM386N-1	LM1458N	7815T	LM555CN
LM301N	LM386N-3	DS1488N	7905T	7805T
LM308N	LM393N	DS1489N	7912CT	78L05CZ
LM311N	LF411CN	ULN2003AN	7915CT	7812T

84988	480 pcs. (40 types) Linear IC kit	$189.95	$169.95
130411	Refill for 84988 (480 pcs.)	174.95	159.95

Transistor Kit

Includes 560 pcs. (20 Types)

10 each	10 each	10 each	10 each	100 each
2N2222A	2N4401	MJE3055T	TIP31A	2N3904
2N2907A	2N4403	MPF102	TIP32A	2N3906
2N3053	2N5951	MPSA06	TIP102	PN2222
2N3055	2N7000	MPSA13	TIP120	PN2907

82595	560 pcs. Transistor kit	$69.95	$59.95
130374	Refill for 82595 (560 pcs.)	54.95	49.95

Diode and Rectifier Kit

Includes 420 pcs. (15 Types) Zener Switching & Silicon Rectifiers

10 each	10 each	10 each	10 each	100 each
1N270	1N4007	1N4735A	1N5408	1N914
1N751A	1N4150	1N4742A	C106B1	1N4004
1N4001	1N4733A	1N5404	KBP04M	1N4148

82587	420 pcs. Diode kit	$44.95	$39.95
130366	Refill for 82587 (420 pcs.)	29.95	26.95

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/8-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2KΩ	5.6kΩ	33kΩ	—	—	—

Part No.	Description	1	5
108329	540 pcs. 1/8-watt Resistor kit ..	$29.95	$26.95
108303	Refill for 108329 (540 pcs.)ℛ ...	14.95	13.49

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/4-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2kΩ	5.6kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.2kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	2.7kΩ	20kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.2kΩ	3.3kΩ	22kΩ	10MΩ	—	—
330Ω	1.5kΩ	5.1kΩ	33kΩ	—	—	—

81832	540 pcs. 1/4-watt Resistor kit ..	$29.95	$26.95
103166	Refill for 81832 (540 pcs.)ℛ	14.95	13.49

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 Values) 1/2-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

107879	540 pcs. 1/2-watt Resistor kit ...	$39.95	$34.95
107853	Refill for 107879 (540 pcs.)ℛ	24.95	22.49

1/2-Watt Single Turn Cermet Pot Kit

Includes 100 pcs. (8 Types)

SAVE $70

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ

85032	100 pcs. single turn Pot kit	$74.95	$64.95

3/4-Watt 15 Turn Cermet Pot Kit

Includes 100 pcs. (10 Values) 3/4-Watt Linear Taper Potentiometer

SAVE $69

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ
43P1KΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ

85041	100 pcs. 15 turn Pot kit	$79.95	$71.95

LEDs & Mounting Hardware Kit

Includes 560 pcs. (20 Types) LEDs and Mounting Hardware

SAVE $16

10 each	10 each	10 each	10 each	100 each
11359	34657	34761	114673	23077
11797	34673	104248	114681	95513
14277	34690	104256	2006705	202471
34606	34711	104264	333569	2006730

84996	560 pcs. LED & Hardware kit ...	$69.95	$59.95

Switch Kit

SAVE $96

Includes 150 pcs. (15 Types) Pushbutton, DIP & Toggle Switches

10 each	10 each	10 each	10 each	10 each
21910	21979	26358	26649	109171
21936	26315	26367	NM	139012
21952	26332	26623	76523	153252

85059	150 pcs. Switch kit	$99.95	$89.95

Spacers & Electronic Hardware Kit

Includes 2700 pcs. (27 Types) Spacer, Hex Nuts Flat, Tooth & Lock Washers and Slotted PH Screws

SAVE $83

100 each	100 each	100 each	100 each	100 each	100 each
Spacers	Hex Nuts	Flat	Internal Tooth	Split Lock	PH Machine
—	2-56	#2	#2	#2	2-56 x 1/4, 1/2
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/4, 1/2

Part No.	Description	1	5
108433	2700 pcs. Electronic Hardware kit ..	$79.95	$71.95

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 Types) 50V ±20% Monolithic Ceramic Caps.

10 each	10 each	10 each	10 each	100 each
22pF	.001µF	.22µF	.47µF	.01µF
100pF	.047µF	.33µF	1µF	.1µF

171475	280 pcs. Monolithic Cap. kit	$34.95	$31.95
171483	Refill for 171475 (280 pcs.)	19.95	17.95

Radial Electrolytic Capacitor Kit

Includes 240 pcs. (15 Values) Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100µF @ 50V	1000µF @ 16V	1µF @ 50V	3.3µF @ 50V	22µF @ 50V
220µF @ 25V	2200µF @ 25V	1µF @ 100V	4.7µF @ 50V	47µF @ 50V
470µF @ 25V	3300µF @ 25V	2µF @ 50V	10µF @ 50V	100µF @ 25V

81867	240 pcs. Radial Capacitor kit	$44.95	$39.95
130331	Refill for 81867 (240 pcs.)	29.95	24.95

Axial Capacitor Kit

SAVE $21

Includes 140 pcs. (10 Values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47µF @ 50V	220µF @ 50V	1000µF @ 25V	1µF @ 50V	4.7µF @ 50V
100µF @ 50V	470µF @ 50V	2200µF @ 16V	2.2µF @ 50V	10µF @ 50V

81875	240 pcs. Axial Capacitor kit	$44.95	$39.95
130340	Refill for 81875 (140 pcs.)	29.95	26.95

Ceramic Disc Capacitor Kit

SAVE $22

Includes 520 pcs. (10 Values) 50V Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022µF	.01µF
22pF	100pF	.001µF	.047µF	.1µF

81859	520 pcs. Ceramic Capacitor kit	$39.95	$34.95
130232	Refill for 81859 (520 pcs.)	24.95	22.49

Mylar Capacitor Kit

SAVE $30

Includes 280 pcs. (10 Values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001µF	.022µF	.047µF	.47µF	.01µF
.0068µF	.033µF	.22µF	1µF	.1µF

81883	280 pcs. Mylar Capacitor kit	$39.95	$34.95
130358	Refill for 81883	24.95	22.49

Dipped Tantalum Capacitor Kit

SAVE $28

Includes 150 pcs. (15 Values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1µF @ 35V	1µF @ 25V	3.3µF @ 25V	10µF @ 16V	22µF @ 16V
.22µF @ 35V	1µF @ 16V	4.7µF @ 35V	10µF @ 35V	33µF @ 25V
.47µF @ 25V	2.2µF @ 16V	6.8µF @ 35V	15µF @ 25V	47µF @ 25V

81841	150 pcs. Tantalum Capacitor kit ..	$69.95	$62.95
130260	Refill for 81841 (150 pcs.)	54.95	49.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Component Grab Bags

4 LEVELS OF SAVINGS

NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

135271 – LEDs

18201 – LED Displays

2125616 – LED Indicators

18294 – Toy Motors

149649 – Fans

2133739 – Connectors

319600 – Cabinet

- Opened grab bags are not returnable
- Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213).

Capacitors, Inductors and Chokes Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 assorted ceramic disc capacitors	0.2	**$6.95**	**$5.95**
135335	GB100LB	900 assorted ceramic disc capacitors	1.0	**19.95**	**17.95**
17881	GB101	100 assorted mylar capacitors	0.3	**7.95**	**6.95**
135458	GB101LB	400 assorted mylar capacitors	1.0	**19.95**	**17.95**
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap, 85˚C, 105˚C, ±20%	0.5	**9.95**	**8.95**
135394	GB102LB	300 assorted electrolytic capacitors radial, axial, snap (photo above)	1.0	**19.95**	**17.95**
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	**12.95**	**10.95**
2081342	GB200	100 assorted axial chokes & inductors	2.0	**9.95**	**8.95**

Bumpers and Rubber Feet Assortment

Part No.	Product No.	Description	Wt. (lbs.)	1	10
2081385	GB201	100 assorted bumpers & adhesive rubber feet		**$8.95**	**$7.95**

Resistor and Resistor Network Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
134130	GB115	200 asst. 1/8, 1/4, 1/2 resistors (1,5&10%)	0.8	**$6.95**	**$5.95**
18104	GB116	200 assorted 1/4W resistors (1,5&10%)	0.1	**6.95**	**5.95**
135351	GB116LB	2000 assorted 1/4W resistors (1,5,8&10%)	0.8	**29.95**	**26.95**
18139	GB117	200 assorted 1/2W resistors (5&10%)	0.2	**6.95**	**5.95**
18163	GB118	200 asst. 1/8W resistor networks (2,5&8%) (8 & 10-pin SIP packages, 22Ω-150k)	0.3	**4.95**	**4.49**

Trimmers, Single and Multi-Turn Potentiometers

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18075	GB113	100 assorted 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	**$9.95**	**$8.95**
18278	GB174	100 asst. 1/5W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	0.2	**12.95**	**11.49**
135407	GB174LB	300 asst. 1/5W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	1.0	**29.95**	**26.95**

LEDs, Displays, Indicators and Photocells

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18041	GB110	100 assorted LEDs & lamps (T1 & T1¾ round and rectangular)	0.1	**$9.95**	**$8.95**
18323	GB186	500 assorted LEDs & lamps (#18041)	0.3	**34.95**	**31.49**
135271	GB110LB	1900 assorted LEDs & lamps (#18041)	1.0	**99.95**	**89.95**
18201	GB162	50 assorted sizes of colored displays (7-segment, dot-matrix, bar graph)	0.5	**14.95**	**13.49**
2125616	GB205	30 assorted voltages, colors of neon, incandescent and LED indicators	0.8	**12.95**	**11.49**
169578	GB125	100 assorted values photocells	0.2	**21.95**	**19.95**

Schwab's Electronic Component School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

$91.55 Value

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs,1/4W resistors, switches, spacers and standoffs.

What's your suggestion?

Part No.	Product No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	2.2	**$59.95**	**$54.95**
319600	6897CAB℞	20 drawer component cabinet	3.5	**19.95**	**17.95**

Integrated Circuits and IC Sockets

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL DIP & SMDs (74, 74ALS, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	**$9.95**	**$8.95**
135280	GB108LB	400 assorted TTL series DIP & SMDs (same as P/N 17996, above)	1.0	**24.95**	**22.49**
18024	GB109	100 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.1	**12.95**	**11.49**
145242	GB109LB	300 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.5	**29.95**	**26.95**
105620	GB120	100 assorted sockets (DIP, PGA, SIMM, SIP)	0.3	**6.95**	**5.95**
135386	GB120LB	300 assorted sockets (DIP, PGA, SIMM, SIP)	1.0	**14.95**	**12.95**

Diodes, Transistors and Crystals/Oscillators

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17961	GB107	200 assorted diodes (zener, switching, silicon rectifiers)	0.1	**$9.95**	**$8.95**
18171	GB127	100 asst. transistors (NPN, PNP, power)	0.1	**9.95**	**7.95**
114446	GB150	100 assorted crystals/oscillators	0.2	**7.95**	**6.95**

Switches, Toy Motors, Gears and Fans

Part No.	Product No.	Description	Wt. (lbs.)	1	10
2133472	GB206	50 assorted DIP switches (2-12 position, LP, slide, rocker, R/A, std)	0.2	**$8.95**	**$7.95**
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide, DIP)	0.4	**9.95**	**8.95**
135378	GB165LB	150 assorted #18235 switches	2.0	**22.95**	**19.95**
18294	GB182	5 assorted toy DC motors (1.5–24V)	0.5	**7.95**	**6.95**
149649	GB193	5 assorted AC & DC fans (photo above)	4.5	**9.95**	**8.95**
1943094	GB198	30 assorted gears & shafts, plastic/nylon (20, 22, 23, 26, 30, 58, 63 teeth vary)	0.3	**12.95**	**10.95**

Spacer, Standoff and Terminal Assortments

- Round
- Hex
- Aluminum
- Steel

Part No.	Product No.	Description	Wt. (lbs.)	1	10
55968	GB140	100 assorted 4-40, 6-32, 8-32 round/hex, aluminum/steel, spacers/standoffs	0.3	**$14.95**	**$12.95**
135423	GB140LB	300 assorted same as P/N 55968	1.0	**29.95**	**26.95**
2082118	GB203	100 assorted solderless terminals spade, ring, faston, butt, crimp types	0.2	**7.95**	**6.95**

Screw Hardware & Drill Bit Assortments

- Screws, nuts, washers and lock washers; sizes 2-56, 4-40, 6-32 and 8-32
- Plastic
- Steel
- Brass
- Aluminum
- Nylon

Part No.	Product No.	Description	Wt. (lbs.)	1	10
171571	GB149	500 assorted types of screws, nuts, washers & lock washers	1.0	**$6.95**	**$5.95**
171635	GB149LB	1400 asst. same as P/N 171571	3.2	**15.95**	**14.95**
2082038	GB202	20 assorted drill bits 9 sizes: .021" (#75) thru .125" (#1/8)	0.3	**19.95**	**18.49**

Molex/Tyco Style Headers and Connectors

Part No.	Product No.	Description	Wt. (lbs.)	1	10
2095138	GB204	100 asst. .079/.100 male headers straight, right angle, single and double row	0.3	**$9.95**	**$8.95**
2133739	GB207	100 asst. IDC, CMNL, Mini-Fit JR/SR, power connectors, .100, .118, .165 straight & R/A	0.4	**9.95**	**8.95**

Surprise Electronic Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (1000 pcs.)

Best Seller!

Part No.	Product No.	Description	1	10
135263	GB191LB	1000 assorted pieces electronic components	**$19.95**	**$17.95**

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

2120022

- Operating temperature range: (SNA & ECO) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

★Web Code: EBG

Part No.	Cross Ref. No.	●Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100
203263	SNB470/400/5	JVP	470	450	35 x 49 x 9	$5.95	$5.49	$4.49
115378	SNB4700/35	JVP	4700	35	23 x 40 x 9	.75	.65	.59
331901	SNB6800/50ℛ	JVP	6800	50	25.2 x 42.4 x 9	3.49	3.09	2.75
157738	SNB10000/50ℛ	JVP	10000	50	35 x 40 x 12	3.95	3.59	3.25

Part No.	Cross Ref. No.	●Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100
331716	SNA15000/25ℛ	JVP	15000	25	25 x 41 x 9	$3.25	$2.75	$2.25
2151152	ECO-S1HP153DA	PAN	15000	50	30 x 50 x 10	4.95	3.95	2.95
2120022	SNB33000/50†	NIP	33000	50	35 x 117 x 13	6.95	5.95	4.95

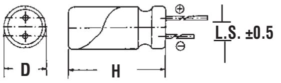
*Capacitor dimensions and styles may vary   † Screw terminals

JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

★Web Code: CCE

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Nichicon:** LB/VX/USA/SR/SA/UVR; **Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ **Order in multiples of 10 or 100**

Part No.	Cross Ref. No.†	●Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
2151970	R0.1/50	JVP	0.1	50	5 x 11 x 5	✳	$.06	$.05	$.04
609043	UVR2A0R1MDDℛ	JVP	0.1	100	5 x 11 x 2	✳	.12	.09	.07
330465	RA0.47/50ℛ	JVP	0.47	50	5 x 11 x 2	✳	.07	.05	.04
330431	RA1/25ℛ	JVP	1	25	5 x 11 x 2	✳	.08	.06	.05
94161	5R1/50ℛ	JVP	1	50	4 x 5 x 1.5	✳	.15	.12	.09
94326	7R1/50	JVP	1	50	4 x 7 x 2.1	✳	.09	.07	.05
29831	R1/50	JVP	1	50	5 x 11 x 2	✳	.08	.06	.04
29833	R1/50ℛ	JVP	1	50	5 x 11 x 2	✳	.09	.07	.05
330941	RN1/50ℛ**	JVP	1	50	5 x 11 x 2	✳	.15	.12	.09
115423	R1/63ℛ	JVP	1	63	5 x 11 x 2	✳	.09	.07	.05
93729	R2.2/50	JVP	2.2	50	5 x 11 x 2	✳	.09	.07	.05
93731	R2.2/50ℛ	JVP	2.2	50	5 x 11 x 2	✳	.10	.08	.06
135184	R3.3/50	JVP	3.3	50	5 x 11 x 2	✳	.15	.12	.09
31000	R4.7/50	JVP	4.7	50	5 x 11 x 2	✳	.07	.06	.04
31002	R4.7/50ℛ	JVP	4.7	50	5 x 11 x 2	✳	.09	.07	.05
2126441	R4.7/100TR	JVP	4.7	100	5 x 11 x 5	✳	.09	.08	.07
198839	R10J/16ℛ	JVP	10	16	5 x 11 x 2	✳	.09	.07	.05
94212	5R10/25ℛ	JVP	10	25	4 x 5 x 1.5	✳	.12	.09	.07
330916	RN10/25ℛ**	JVP	10	25	5 x 11.5 x 1.5	✳	.12	.09	.07
1946367	R10/25ATR	JVP	10	25	5 x 11 x 5	✳	.09	.07	.05
94221	5R10/35ℛ	JVP	10	35	5 x 5 x 2	✳	.12	.09	.07
29891	R10/50	JVP	10	50	5 x 11 x 2	✳	.09	.07	.05
29893	R10/50ℛ	JVP	10	50	5 x 11 x 2	✳	.15	.12	.09
330482	RA10/63ℛ	JVP	10	63	5 x 11 x 2	✳	.09	.08	.06
330609	RA10/250ℛ	JVP	10	250	10 x 16 x 5	.39	.29	.25	.19
1946295	R22/16	JVP	22	16	5 x 12 x 5	✳	.05	.03	.015
93739	R22/50ℛ	JVP	22	50	5 x 11 x 2	✳	.09	.07	.06
1946316	R22/50TR	JVP	22	50	5 x 12 x 5	✳	.07	.05	.04
2125587	R33/25	JVP	33	25	6.3 x 5.6 x 2.5	✳	.12	.09	.07
93747	R33/50ℛ	JVP	33	50	6.3 x 11 x 2.5	✳	.15	.12	.09
1946244	R47/16TR	JVP	47	16	5 x 12 x 5	✳	.05	.04	.03
198863	R47J/16ℛ	JVP	47	16	6.3 x 11 x 2.5	✳	.09	.08	.07
198952	R47J/35ℛ	JVP	47	35	5 x 11 x 2	✳	.12	.09	.07
1946252	R47/35TR	JVP	47	35	6 x 12 x 5	✳	✳	.009	.008
31114	R47/50	JVP	47	50	6 x 11 x 2.5	✳	.10	.08	.07
31116	R47/50ℛ	JVP	47	50	6.3 x 11 x 2.5	✳	.15	.12	.09
330617	RA47/250ℛ	JVP	47	250	13 x 25 x 5	.59	.49	.39	.35
330676	RA47/450ℛ	JVP	47	450	18 x 30 x 7.5	1.25	1.09	.99	.89
1946261	R68/16TR	JVP	68	16	5 x 11 x 5	✳	15.00	.12	.09
330422	RA100/16ℛ	JVP	100	16	5 x 11 x 2	✳	.12	.09	.07
94432	7R100/16ℛ	JVP	100	16	6 x 7 x 2.5	✳	.10	.08	.06
94289	5R100/16ℛ	JVP	100	16	6.5 x 5 x 2.5	✳	.17	.15	.12
93761	R100/25	JVP	100	25	6 x 11 x 2.5	✳	.10	.08	.06
198970	R100J/35ℛ	JVP	100	35	6.3 x 11 x 2.5	✳	.12	.09	.07
29962	R100/50	JVP	100	50	8 x 11 x 3.5	✳	.12	.09	.07
29964	R100/50ℛ	JVP	100	50	8 x 11.5 x 3.5	✳	.15	.12	.09

Note: Above case sizes may have ± tolerances   **“TR” at the end of Cross Ref. numbers are Tape and Reel**

✳ **Order in multiples of 10**

Part No.	Cross Ref. No.†	●Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
330529	RA100/100ℛ	JVP	100	100	10 x 17 x 5	$.29	$.25	$.19	$.15
330580	RA100/160Sℛ	JVP	100	160	16 x 25 x 7.5	.69	.55	.45	.39
330625	RA100/250ℛ	JVP	100	250	16 x 31.5 x 7.5	.99	.89	.69	.59
330684	RA100/450ℛ	JVP	100	450	22 x 42.5 x 10.5	2.25	1.95	1.75	1.49
198872	R220J/16ℛ	JVP	220	16	6.3 x 11 x 2.5	✳	.13	.11	.09
30496	R220/25	JVP	220	25	8 x 11 x 3.5	✳	.12	.09	.07
93772	R220/35ℛ	JVP	220	35	8 x 12 x 3.5	✳	.15	.12	.09
93778	R220/50	JVP	220	50	10 x 12 x 5	✳	.15	.12	.09
609115	UVR2C221MHDℛ	JVP	220	160	16 x 30 x 7.5	.85	.75	.65	.59
93796	R330/25	JVP	330	25	10 x 12 x 5.0	✳	.15	.12	.09
198978	R330J/35ℛ	JVP	330	35	10 x 12.5 x 5	✳	.19	.15	.12
330473	RA330/50ℛ	JVP	330	50	10 x 16 x 5	.35	.29	.25	.19
93809	R470/16	JVP	470	16	8 x 11 x 3.5	✳	.13	.10	.08
93811	R470/16ℛ	JVP	470	16	8 x 11.5 x 3.5	.29	.22	.17	.14
31183	R470/25ℛ	JVP	470	25	10 x 12 x 3.5	.35	.25	.19	.15
31181	R470/25	JVP	470	25	10 x 12 x 5	✳	.19	.15	.12
93817	R470/35	JVP	470	35	10 x 16 x 5	.29	.22	.17	.14
93819	R470/35ℛ	JVP	470	35	10 x 16 x 5	.45	.39	.35	.25
93827	R470/50ℛ	JVP	470	50	10 x 20 x 5	.45	.39	.35	.25
93825	R470/50	JVP	470	50	12 x 20 x 5	.39	.35	.25	.19
158465	R470B63	JVP	470	63	13 x 20 x 5	.55	.49	.45	.35
199102	R470J/100ℛ	JVP	470	100	16 x 25 x 7.5	.99	.89	.79	.65
330456	RA680/25S	JVP	680	25	8 x 16 x 3.5	1.15	.99	.85	.65
1945436	R1000/6.3	JVP	1000	6.3	10 x 13 x 5	✳	.09	.07	.05
30015	R1000/16	JVP	1000	16	10 x 16 x 5	.25	.19	.15	.12
30017	R1000/16ℛ	JVP	1000	16	10 x 16 x 5	.35	.25	.19	.15
93833	R1000/25	JVP	1000	25	10 x 20 x 5	.39	.29	.25	.19
93835	R1000/25ℛ	JVP	1000	25	10 x 20 x 5	.45	.39	.29	.25
93841	R1000/50	JVP	1000	50	6.5 x 11.3 x 2.2	.59	.45	.35	.29
93843	R1000/50ℛ	JVP	1000	50	13 x 25 x 5	.65	.55	.45	.39
199111	R1000J/100ℛ	JVP	1000	100	18 x 41 x 7.5	1.49	1.35	1.09	.99
30533	R2200/25	JVP	2200	25	12 x 25 x 5.0	.69	.55	.45	.35
30535	R2200/25ℛ	JVP	2200	25	13 x 21 x 5	.75	.59	.49	.39
198986	R2200J/35ℛ	JVP	2200	35	16 x 25 x 7.5	.69	.55	.45	.39
608956	UVR1H222MHDℛ	JVP	2200	50	16 x 30 x 7.5	.99	.85	.65	.55
198898	R3300J/16ℛ	JVP	3300	16	13 x 21 x 5	.69	.55	.45	.35
30893	R3300/25ℛ	JVP	3300	25	13 x 29 x 5	.75	.59	.49	.39
198994	R3300J/35ℛ	JVP	3300	35	16 x 30 x 7.5	1.09	.89	.75	.59
2135435	R3300-VR(M)	NIC	3300	50	18 x 35 x 7.0	.99	.89	.79	.69
198901	R4700J/16ℛ	JVP	4700	16	16 x 25 x 7.5	.79	.65	.49	.39
93850	R4700/25	JVP	4700	25	16 x 31 x 7.5	.95	.79	.65	.55
199006	R4700J/35ℛ	JVP	4700	35	18 x 35 x 7.5	1.49	1.25	1.09	.95
163302	R4700/50	JVP	4700	50	22 x 41 x 10	1.59	1.39	1.25	1.15
163301	R4700/50	JVP	4700	50	22 x 42 x 10	1.45	1.29	1.19	1.09
198935	R6800J/25ℛ	JVP	6800	25	18 x 35.5 x 7.5	1.09	.99	.85	.65

*Capacitor dimensions and styles may vary   **Non-polarized

● **JVP = Jameco ValuePro | NIC = Nichicon | NIP = Nippon | PAN = Panasonic**

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

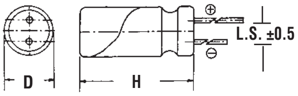
JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 105°C

★Web Code: HAA

105°C – HT Type General Purpose

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Nichicon:** LB/VX/USA/SR/SA/UPW/UVZ/UHE; **Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ Order in multiples of 10

Part No.	Cross Ref. No.†	●Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
609545	UVZ1H0R1MDDℛ	JVP	0.1	50	5 x 11 x 2	✳	**$.12**	**$.09**	**$.07**
330772	RB1/50ℛ	JVP	1	50	5 x 11 x 2	✳	**.12**	**.09**	**.07**
158491	R1B100ℛ	JVP	1	100	5 x 11 x 2	✳	**.17**	**.15**	**.12**
609959	UVZ2E010MEDℛ	JVP	1	250	8 x 11 x 3.5	**.25**	**.22**	**.19**	**.15**
609561	UVZ1H2R2MDDℛ	JVP	2.2	50	5 x 11.5 x 2	✳	**.12**	**.09**	**.07**
330781	RB4.7/50ℛ	JVP	4.7	50	5 x 11 x 2	✳	**.09**	**.07**	**.05**
330692	RB10/16ℛ	JVP	10	16	5 x 11 x 2	✳	**.12**	**.09**	**.07**
330799	RB10/50	JVP	10	50	5 x 11 x 2	✳	**.09**	**.07**	**.05**
607849	UPW1H100MDDℛ	JVP	10	50	5 x 11 x 2	✳	**.15**	**.12**	**.09**
609641	UVZ1J100MDDℛ	JVP	10	63	5 x 11 x 2	✳	**.17**	**.12**	**.09**
610036	UVZ2W100MHDℛ	JVP	10	450	13 x 21 x 5	**.69**	**.55**	**.45**	**.35**
158327	R22B35ℛ	JVP	22	35	5 x 11 x 2	✳	**.12**	**.09**	**.07**
93737	RB22/50TR+	JVP	22	50	6.5 x 8 x 2	✳	**.15**	**.12**	**.09**
609650	UVZ1J220MDDℛ	JVP	22	63	5 x 11 x 2	✳	**.19**	**.15**	**.12**
609828	UVZ2C220MPDℛ	JVP	22	160	10 x 15 x 5	**.35**	**.29**	**.25**	**.19**
609975	UVZ2E220MHDℛ	JVP	22	250	13 x 20 x 5	**.39**	**.35**	**.29**	**.25**
608374	UPW2A330MPD6ℛ	JVP	33	100	8 x 15 x 3.5	✳	**.19**	**.15**	**.12**
609502	UVZ1C470MDDℛ	JVP	47	16	5 x 11 x 2	✳	**.10**	**.07**	**.05**
1945428	R47/35	JVP	47	35	6.3 x 11 x 2	✳	**.12**	**.09**	**.07**
330820	RB47/50ℛ	JVP	47	50	6.3 x 11 x 2.5	✳	**.15**	**.12**	**.09**
2100241	RB47/100	JVP	47	100	10 x 16 x 5	✳	**.09**	**.08**	**.07**
610010	UVZ2E470MHDℛ	JVP	47	250	13 x 25 x 5	**.69**	**.55**	**.45**	**.35**
1946228	RB100/10	JVP	100	10	5 x 11 x 3.5	✳	**.09**	**.07**	**.05**
330740	RB100/25ℛ	JVP	100	25	6.3 x 11 x 2.5	✳	**.13**	**.10**	**.08**
158394	R100B50ℛ	JVP	100	50	8 x 11.5 x 3.5	✳	**.17**	**.15**	**.12**
608032	UPL1J101MHH6ℛ	JVP	100	63	13 x 15 x 5	✳	**.09**	**.07**	**.05**
609748	UVZ2A101MPDℛ	JVP	100	100	10 x 20 x 5	**.35**	**.29**	**.25**	**.19**
2135443	R100-M	NIC	100	100	13 x 20 x 5	**.35**	**.29**	**.25**	**.19**
609967	UVZ2E101MHDℛ	JVP	100	250	16 x 31 x 7.5	**1.09**	**.99**	**.79**	**.59**
608340	ECA1JFQ151Lℛ	JVP	150	63	10 x 21 x 5	✳	**.19**	**.15**	**.12**
207845	R180/16	JVP	180	16	6 x 15 x 2.5	✳	**.04**	**.03**	**.02**
606934	EEUFC1J181ℛ	JVP	180	63	10 x 20 x 5	✳	**.09**	**.08**	**.07**
158263	R220B25ℛ	JVP	220	25	8 x 11 x 3.5	✳	**.17**	**.15**	**.12**
93770	R220/35ℛ	JVP	220	35	10 x 16 x 5	✳	**.17**	**.15**	**.12**
606820	UHE1H221MPDℛ	JVP	220	50	10 x 16 x 5	**.39**	**.35**	**.25**	**.19**
609721	UVZ1V331MPDℛ	JVP	330	35	10 x 16 x 5	✳	**.19**	**.15**	**.12**

*Capacitor dimensions and styles may vary

✳ Order in multiples of 10

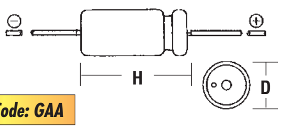
Part No.	Cross Ref. No.†	●Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
607136	UHE2A331MHDℛ	JVP	330	100	12.5 x 40 x 5	**$.29**	**$.25**	**$.19**	**$.15**
606977	UHE1J391MHDℛ	JVP	390	63	18 x 15 x 7.5	✳	**.19**	**.17**	**.15**
2126459	R470/16TR	JVP	470	16	10 x 13 x 5	✳	**.15**	**.12**	**.09**
158203	R470B16	JVP	470	16	8 x 11 x 3.5	✳	**.19**	**.15**	**.12**
158289	R470B25	JVP	470	25	10 x 16 x 5	**.29**	**.25**	**.19**	**.15**
606740	UHE1E471MPD6ℛ	JVP	470	25	10 x 17 x 5	**.29**	**.25**	**.19**	**.15**
606854	UHE1H471MPDℛ	JVP	470	50	13 x 20 x 5	**.45**	**.35**	**.29**	**.22**
2133430	EEU-FN1C681L	PAN	680	16	8 x 21 x 2.5	**.39**	**.35**	**.25**	**.19**
2129781	CETMQ1V681M1321BBℛ	SAM	680	35	13 x 21 x 4	**.59**	**.49**	**.39**	**.29**
606871	UHE1H681MHDℛ	JVP	680	50	13 x 28 x 5	**.85**	**.65**	**.49**	**.39**
607355	UPWDI821MPDℛ	JVP	820	6.3	14.5 x 8.2 x 3.5	**.39**	**.35**	**.29**	**.25**
606432	UHE0J102MPDℛ	JVP	1000	6.3	8 x 14 x 3.5	✳	**.19**	**.15**	**.12**
607363	UPW1A102MPDℛ	JVP	1000	10	8 x 20 x 3.5	**.49**	**.45**	**.39**	**.35**
330722	RB1000/16ℛ	JVP	1000	16	10 x 20 x 5	**.39**	**.35**	**.25**	**.19**
158298	R1000B25ℛ	JVP	1000	25	10 x 17 x 5	**.49**	**.39**	**.35**	**.25**
158378	R1000B35ℛ	JVP	1000	35	13 x 21 x 5	**.59**	**.55**	**.39**	**.29**
609553	UVZ1H102MHDℛ	JVP	1000	50	13 x 25 x 5	**.59**	**.49**	**.39**	**.35**
606627	UHE1C122MPDℛ	JVP	1200	16	10 x 24 x 5	**.29**	**.25**	**.19**	**.15**
607232	UPW0J152MPDℛ	JVP	1500	6.3	10 x 20 x 5	**.39**	**.35**	**.29**	**.25**
607398	UPW1A152MPD6ℛ	JVP	1500	10	10 x 20 x 5	**.39**	**.35**	**.29**	**.25**
607742	UPW1E152MHD6ℛ	JVP	1500	25	12.5 x 25 x 5	**.49**	**.45**	**.39**	**.29**
607873	UPW1H152MHDℛ	JVP	1500	50	16 x 30 x 7.5	**.75**	**.69**	**.65**	**.59**
606467	UHE0J182MHDℛ	JVP	1800	6.3	10 x 20 x 5	**.35**	**.25**	**.19**	**.15**
607751	UPW1E182MHDℛ	JVP	1800	25	13 x 25 x 5	**.75**	**.69**	**.59**	**.45**
609342	UVZ0J222MPDℛ	JVP	2200	6.3	10 x 20 x 5	**.39**	**.35**	**.29**	**.25**
606563	UHE1A222MPDℛ	JVP	2200	10	10 x 24 x 5	**.45**	**.39**	**.35**	**.25**
609705	UVZ1V222MHDℛ	JVP	2200	35	16 x 26 x 7.5	**.69**	**.65**	**.49**	**.39**
158432	R2200B50ℛ	JVP	2200	50	16 x 30 x 7.5	**.99**	**.79**	**.65**	**.55**
608278	UPW1V332MHDℛ	JVP	3300	35	18 x 33 x 7.5	**1.25**	**1.09**	**.89**	**.69**
609588	UVZ1H332MHDℛ	JVP	3300	50	18 x 36 x 7.5	**1.49**	**1.25**	**1.05**	**.85**
607814	UPW1E472MHDℛ	JVP	4700	25	18 x 39 x 7.5	**1.09**	**.99**	**.79**	**.59**
2125641	R5600B16ℛ	NIC	5600	16	16 x 40 x 7.5	**.75**	**.69**	**.59**	**.49**
607697	UPW1C822MHDℛ	JVP	8200	16	16 x 33 x 7.5	**.49**	**.45**	**.39**	**.35**
609473	UVZ1C103MHDℛ	JVP	10000	16	18 x 41 x 7.5	**1.25**	**1.09**	**.99**	**.75**
609326	UVZ0J153MHDℛ	JVP	15000	6.3	16 x 35.5 x 7.5	**.25**	**.19**	**.15**	**.12**

*Capacitor dimensions and styles may vary

JAMECO ValuePro

Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2μA, whichever is greater



★Web Code: GAA

✳ Order in multiples 10 or 100

Part No.	Product No.	●Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	500
10866	A1/50	JVP	1	50V	5 x 13	✳	**$.19**	**$.15**	**$.12**
10868	A1/50ℛ	JVP	1	50V	5 x 12	**.29**	**.25**	**.19**	**.15**
93569	A2.2/50	JVP	2.2	50V	6 x 13	✳	**.19**	**.15**	**.12**
11076	A4.7/50	JVP	4.7	50V	6 x 13	✳	**.19**	**.15**	**.12**
10882	A10/50	JVP	10	50V	6 x 12	✳	**.19**	**.15**	**.12**
331425	AB10/450ℛ	JVP	10	450V	13 x 25	**.75**	**.69**	**.65**	**.59**
1946210	A22/16	JVP	22	16V	5 x 11	✳	✳	**.009**	**.008**
199268	A22J/25ℛ	JVP	22	25V	6 x 12.5	✳	**.19**	**.15**	**.12**

*Capacitor dimensions and styles may vary

✳ Order in multiples 10 or 100

Part No.	Product No.	●Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	500
331433	AB22/450ℛ	JVP	22	450V	16 x 26.5	**$1.95**	**$1.75**	**$1.49**	**$1.25**
2081730	A33/35	JVP	33	35V	7 x 14	✳	✳	**.009**	**.008**
135319	A47/25	JVP	47	25V	8 x 16	**.35**	**.29**	**.25**	**.22**
11105	A47/50	JVP	47	50V	8 x 16	**.45**	**.35**	**.29**	**.25**
199188	A100J/16ℛ	JVP	100	16V	6 x 12.5	**.25**	**.22**	**.19**	**.15**
93551	A100/35	JVP	100	35V	8 x 16	**.35**	**.25**	**.22**	**.15**
10911	A100/50	JVP	100	50V	8 x 20	**.35**	**.29**	**.25**	**.19**
10913	A100/50ℛ	JVP	100	50V	8 x 16	**.39**	**.35**	**.29**	**.25**
331417	AB100/250ℛ	JVP	100	250V	16 x 31	**1.75**	**1.49**	**1.25**	**1.09**

*Capacitor dimensions and styles may vary

Continued on next page

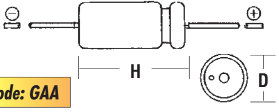
● **JVP = Jameco ValuePro** | **NIC = Nichicon** | **PAN = Panasonic** | **SAM = Samsung**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro

Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C (Continued)

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater



★Web Code: GAA

Part No.	Product No.	Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	500
2150811	A220/16	JVP	220	16V	10 x 21	$.29	$.25	$.19	$.15
11019	A220/50℞	JVP	220	50V	10 x 17	.55	.45	.35	.29
199217	A470J/16℞	JVP	470	16V	8 x 17	.39	.35	.29	.25
199381	A470J/35℞	JVP	470	35V	10 x 21	.45	.39	.35	.29
11123	A470/50℞	JVP	470	50V	13 x 22	.85	.69	.59	.49
10954	A1000/25	JVP	1000	25V	13 x 31	.69	.55	.45	.35
10956	A1000/25℞	JVP	1000	25V	10 x 20	.85	.69	.59	.49
93649	A1000/35	JVP	1000	35V	13 x 26	.89	.75	.65	.55
93651	A1000/35℞	JVP	1000	35V	13 x 22	.75	.59	.49	.39
147256	A1000/50	JVP	1000	50V	16 x 31	.95	.75	.59	.49

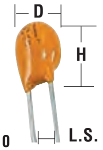
*Capacitor dimensions and styles may vary

Part No.	Product No.	Mfr.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	500
11033	A2200/16	JVP	2200	16V	16 x 40	$.95	$.75	$.65	$.55
93658	A2200/35℞	JVP	2200	35V	16 x 30	1.25	1.09	.99	.79
199479	A2200J/50℞	JVP	2200	50V	18 x 33	1.75	1.49	1.25	1.08
2144972	A3300/16	JVP	3300	16V	16 x 26	.75	.59	.45	.39
93666	A3300/25	JVP	3300	25V	16 x 30	.85	.75	.65	.55
199487	A3300J/50℞	JVP	3300	50V	22 x 43	2.25	1.95	1.75	1.49
93673	A4700/25	JVP	4700	25V	18 x 36	2.39	2.19	1.95	1.69
158650	A4700A25	JVP	4700	25V	22 x 50	1.75	1.49	1.25	1.09
158811	A4700A50℞	JVP	4700	50V	22 x 43	2.25	1.95	1.75	1.49
93681	A10000/16	JVP	10000	16V	22 x 51	1.75	1.49	1.25	1.09

*Capacitor dimensions and styles may vary

JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%)



- Operating temperature range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Flame retardant coating
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- Designed for entertainment and commercial equipment
- Low leakage current

★Web Code: VAE

✳ Order in multiples 10

Part No.	Product No.	Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
545561	TAP104K035SCS℞	JVP	.10	35	4.0 x 6.0 x 2.5	$.39	$.32	$.25	$.19
33488	TM.1℞	JVP	.10	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33486	TM.1/35	JVP	.10	35	4.5 x 7.0 x 5.2	.32	.25	.19	.15
33507	TM.22/35	JVP	.22	35	4.5 x 7.0 x 5.0	.39	.32	.25	.19
33523	TM.33/35	JVP	.33	35	4.5 x 7.0 x 2.5	.32	.25	.19	.15
33525	TM.33℞	JVP	.33	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33533	TM.47℞	JVP	.47	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33531	TM.47/35	JVP	.47	35	4.5 x 7.0 x 2.7	.35	.29	.25	.19
546142	TAP684K050SCS℞	JVP	.68	50	4.3 x 7.0 x 2.5	.35	.29	.25	.19
545588	TAP105K025SCS℞	JVP	1	25	4.3 x 7.0 x 2.5	.39	.32	.25	.19
154862	TM1/25℞	JVP	1	25	4.5 x 7.0 x 2.5	.35	.29	.25	.19
154860	TM1/25	JVP	1	25	4.5 x 7.0 x 4.7	.32	.25	.19	.15
545596	TAP105K035SCS℞	JVP	1	35	4.3 x 7.0 x 2.5	.39	.32	.25	.19
33662	TM1/35	JVP	1	35	4.5 x 7.0 x 2.7	.35	.29	.22	.17
545609	TAP105K050SCS℞	JVP	1	50	4.7 x 7.5 x 2.5	.65	.59	.49	.35
94001	TM2.2/16	JVP	2.2	16	4.5 x 7.0 x 4.7	.32	.25	.19	.15
33736	TM2.2/35℞	JVP	2.2	35	5.0 x 8.0 x 2.5	.39	.35	.29	.25
545932	TAP335K016SCS℞	JVP	3.3	16	4.3 x 7.0 x 2.5	.39	.35	.29	.25
545941	TAP335K025SCS℞	JVP	3.3	25	4.3 x 7.0 x 2.5	.45	.35	.29	.22
94035	TM4.7/16	JVP	4.7	16	5.0 x 8.0 x 2.5	.35	.29	.22	.17
546071	TAP475K025SCS℞	JVP	4.7	25	4.3 x 7.0 x 2.5	.55	.45	.35	.29
94043	TM4.7/25	JVP	4.7	25	5.0 x 8.0 x 4.7	.29	.25	.19	.15
546089	TAP475K035SCS℞	JVP	4.7	35	4.7 x 7.5 x 2.5	.59	.49	.39	.32
33806	TM4.7/35	JVP	4.7	35	5.5 x 9.5 x 2.5	.49	.39	.32	.25
546185	TAP685K025SCS℞	JVP	6.8	25	4.7 x 7.5 x 2.5	.39	.35	.29	.25
33873	TM6.8/35	JVP	6.8	35	6.5 x 9.0 x 4.7	.45	.35	.29	.22

*Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

Part No.	Product No.	Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
545625	TAP106K010SCS℞	JVP	10	10	4.7 x 7.5 x 2.5	$.49	$ .39	$ .32	$ .25
94060	TM10/16	JVP	10	16	4.6 x 7.5 x 3.2	.49	.39	.32	.25
94062	TM10/16℞	JVP	10	16	5.0 x 8.0 x 2.5	.55	.45	.35	.29
545633	TAP106K020SCS℞	JVP	10	20	5.4 x 8.0 x 2.5	.45	.35	.29	.25
545641	TAP106K025SCS℞	JVP	10	25	5.4 x 8.0 x 2.5	.55	.45	.35	.29
94080	TM10/25℞	JVP	10	25	5.5 x 9.5 x 2.5	.65	.55	.45	.35
94078	TM10/25	JVP	10	25	5.5 x 9.5 x 2.8	.59	.49	.39	.35
545650	TAP106K035SCS℞	JVP	10	35	5.4 x 8.0 x 2.5	1.15	.95	.79	.65
33689	TM10/35	JVP	10	35	6.5 x 11.0 x 4.7	.99	.79	.65	.49
33719	TM15/25	JVP	15	25	4.5 x 8.0 x 2.5	.79	.65	.49	.39
597468	TAP156K035SCS℞	JVP	15	35	5.5 x 9.5 x 4.7	.75	.65	.49	.45
33751	TM22/6.3	JVP	22	6.3	4.7 x 7.5 x 2.5	✳	.19	.15	.12
545852	TAP226K016SCS℞	JVP	22	16	5.4 x 8.0 x 2.5	.69	.55	.45	.35
94095	TM22/16	JVP	22	16	5.5 x 9.5 x 2.5	.39	.35	.29	.25
94094	TM22/16	JVP	22	16	5.5 x 9.5 x 4.1	.55	.45	.35	.29
545879	TAP226K025SCS℞	JVP	22	25	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
33785	TM33/25	JVP	33	25	8.5 x 13.0 x 4.7	1.75	1.49	1.25	.99
546100	TAP476K010SCS℞	JVP	47	10	6.0 x 9.4 x 2.5	.99	.89	.79	.65
94123	TM47/16	JVP	47	16	5.2 x 8.2 x 2.5	1.49	1.25	.99	.79
546118	TAP476K016SCS℞	JVP	47	16	6.0 x 9.4 x 2.5	1.75	1.49	1.25	.99
33822	TM47	JVP	47	25	9.5 x 16.5 x 2.5	1.59	1.35	1.15	.99
33700	TM100/35	JVP	100	6.3	8.5 x 13.0 x 4.7	1.09	.99	.89	.79
597450	TAP107K016CCS℞	JVP	100	16	7.0 x 11.0 x 2.5	2.75	2.49	2.25	1.95
545684	TAP107K020CCS℞	JVP	100	20	8.2 x 12.5 x 2.5	3.49	3.15	2.75	2.49
545772	TAP157K010CCS℞	JVP	150	10	7.0 x 11 x 2.5	.99	.89	.79	.69

*Capacitor dimensions and styles may vary

Note: Above case sizes may have ± tolerances

JAMECO ValuePro

Axial Leaded Ceramic Capacitors (±5, ±10, ±20 or ±100%)

50, 100 and 200 Volt, NPO, X7R and Z5U Temperature

★Web Code: ACC

✳ Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing 10	100	1000
546273	SA102A220JAA	JVP	22pF	200	NPO	5	$.12	$.09	$.06
546265	SA102A101JAA	JVP	100pF	200	NPO	5	.15	.12	.09
546281	SA105A102JAA	JVP	1000pF	50	NPO	5	.15	.12	.09
546249	SA101C102KAA	JVP	1000pF	100	X7R	10	.05	.03	.02

Order in multiples of 10

Part No.	Product No.	Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing 10	100	1000
1069763	SA101C222KAA	AVX	2200pF	100	X7R	10	$.19	$.17	$.15
546290	P10R103K5	JVP	0.01µF	50	X7R	10	.09	.08	.07
546302	SA105E103MAA	JVP	0.01µF	50	Z5U	20	.12	.09	.07
536542	P20R104K5℞	JVP	0.1µF	50	X7R	10	.15	.12	.09

● AVX = AVX Corp. | JVP = Jameco ValuePro

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Ceramic Disc Capacitors (±5, ±10 or ±20%)

25, 50, 500 and 1000 Volt, Z5U Temperature Coefficient

★ Web Code: HBW

- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Operating temp. range: +10°C to +85°C
- Capacitance change over temp. range: +22% to -56%

✳ Order in multiples of 10 or 100

Part No.	Product No.	●Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing 1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5	✳	$.19	$.15	$.12	$.09
15333	DC10	JVP	10pF	50	20	5	✳	.06	.04	.032	.025
332312	CD10/1000	JVP	10pF	1000	20	6	✳	.09	.08	.07	.06
332322	CD20/1000ℛ	JVP	20pF	1000	20	5	.29	.22	.17	.14	.11
15405	DC22	JVP	22pF	50	20	6	✳	.07	.05	.04	.03
15407	DC22ℛ	JVP	22pF	50	20	6	✳	.09	.07	.05	.04
332217	CD33/50ℛ	JVP	33pF	50	20	5	✳	.10	.08	.06	.04
1947010	DC33TR	JVP	33pF	100	10	5	✳	.10	.08	.06	.04
1947028	DC33ATR	JVP	33pF	500	5	5	✳	.10	.08	.06	.04
15512	DC47ℛ	JVP	47pF	50	20	5	✳	.09	.07	.05	.04
1947036	DC47TR	JVP	47pF	500	5	6	✳	.09	.07	.05	.035
15341	DC100	JVP	100pF	50	20	5	✳	.06	.04	.03	.02
1947044	DC100TR	JVP	100pF	100	10	8	✳	.07	.05	.04	.02
332363	CD120/1000	JVP	120pF	1000	20	5	✳	.15	.12	.09	.07
1947087	DC150ATR	JVP	150pF	100	5	4	✳	✳	.009	.008	.007
15413	DC220	JVP	220pF	50	20	5	✳	.06	.04	.025	.015
1947132	DC220TR	JVP	220pF	50	5	8	✳	.09	.07	.05	.03
1947301	DC330TR	JVP	330pF	100	20	5	✳	.09	.07	.05	.03
15528	DC470	JVP	470pF	50	20	5	✳	.07	.05	.03	.025
1947319	DC470TR	JVP	470pF	100	20	5	✳	.09	.07	.05	.03
15190	DC.001	JVP	.001µF	50	20	6	✳	.07	.05	.04	.03
15192	DC.001ℛ	JVP	.001µF	50	20	6	✳	.07	.05	.04	.03
1947343	DC.001TR	JVP	.001µF	100	20	4	✳	✳	.009	.008	.007
1947394	DC.001ATR	JVP	.001µF	500	20	4	✳	.07	.06	.05	.035

TR at the end of Product Number are Tape and Reel

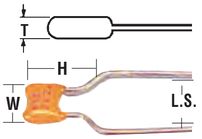
✳ Order in multiples of 10

Part No.	Product No.	●Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	Pricing 1	10	100	1000	5000
1947415	DC.001BTR	JVP	.001µF	500	10	7	✳	$.07	$.06	$.05	$.035
332436	CD1000/1000ℛ	JVP	.001µF	1000	20	5	✳	.19	.15	.12	.09
1947327	DC.0022TR	JVP	.0022µF	25	20	4	✳	.07	.05	.03	.02
1947386	DC.0022ATR	JVP	.0022µF	500	20	7	✳	.09	.08	.07	.05
332443	CD2200/1000	JVP	.0022µF	1000	20	6	✳	.17	.15	.12	.09
1947407	DC.0033	JVP	.0033µF	500	20	9	✳	.07	.05	.03	.02
15211	DC.0047	JVP	.0047µF	50	20	6	✳	.09	.07	.05	.04
1947335	DC.0047TR	JVP	.0047µF	100	20	5	✳	.09	.07	.05	.04
15229	DC.01	JVP	.01µF	50	20	6	✳	.06	.04	.032	.025
15231	DC.01ℛ	JVP	.01µF	50	20	6	✳	.07	.05	.035	.03
97375	DC.01/1K20	JVP	.01µF	1000	20	6	✳	.19	.15	.12	.09
97377	DC.01/1K20ℛ	JVP	.01µF	1000	20	8	✳	.25	.19	.15	.12
1936898	S103M47Z5UN63K0ℛ	VSH	.01µF	1000	20	10	✳	.19	.15	.12	.10
332487	CD20000/1000ℛ	JVP	.02µF	1000	20	16	.55	.45	.35	.29	.22
15245	DC.022	JVP	.022µF	50	20	8	✳	.08	.06	.045	.039
1947351	DC.047B	JVP	.047µF	25	20	7	✳	.09	.07	.05	.03
15253	DC.047	JVP	.047µF	50	20	8	✳	.12	.09	.07	.05
332507	CD50000/1000	JVP	.05µF	1000	20	16	.59	.49	.39	.35	.29
151116	DC.1/25	JVP	.1µF	25	20	6	✳	.13	.11	.08	.06
151118	DC.1/25ℛ	JVP	.1µF	25	20	6	✳	.15	.12	.09	.06
2146311	SC45YV1H104Z	JVP	.1µF	50	20	10	✳	.19	.15	.12	.09
15272	DC.1ℛ	JVP	.1µF	50	20	8	.29	.25	.19	.15	.12
332516	CD100000/1000ℛ	JVP	.1µF	1000	20	21	.59	.49	.39	.35	.29

TR at the end of Product Number are Tape and Reel

JAMECO ValuePro

Monolithic Radial Ceramic Capacitors (±5, ±10 or ±20%)



★ Web Code: JBW

NPO (COG) Series (±5%)

- Operating temp. range: -55°C to +125°C

Order in multiples of 10

Part No.	Product No.	●Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing 10	100	1000	5000
332523	COG10/100	JVP	10pF	100	4.0 x 2.0 x 3.2 x 5.1	$.15	$.12	$.09	$.07
332541	COG22/100ℛ	JVP	22pF	100	3.6 x 2.3 x 3.6 x 2.5	.13	.09	.07	.05
2080323	RD15CG-390M†	PDC	39pF	50	4.0 x 2.0 x 3.6 x 2.5	.09	.07	.05	.04
332567	COG47/100ℛ	JVP	47pF	100	3.8 x 2.0 x 3.3 x 2.5	.15	.12	.09	.07
332574	COG68/100	JVP	68pF	100	3.6 x 1.5 x 3.6 x 5.1	.15	.12	.09	.07
2080340	RD15CG-331J	PDC	330pF	50	4.0 x 2.0 x 3.6 x 2.5	.09	.08	.07	.05

X7R Series (±10%)

- Operating temp. range: -55°C to +125°C

✳ Order in multiples of 10

Part No.	Product No.	●Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing 1	10	100	1000	5000
332583	MOC100/100ℛ	JVP	100pF	100	5.0x5.0x3.0x2.5	✳	$.15	$.12	$.09	$.07
332612	MOC470/100ℛ	JVP	470pF	100	5.0x5.0x3.0x2.5	✳	.19	.15	.12	.09
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x2.5	✳	.19	.15	.12	.09
544833	SR151C103KAA	JVP	.01µF	100	3.8x2.5x3.8x2.5	✳	.11	.08	.06	.04
597281	SR211C103KAA	JVP	.01µF	100	3.8x2.5x3.8x5.1	✳	.12	.09	.07	.05
332647	MOC10000/100ℛ	JVP	.01µF	100	5.0x5.0x3.0x2.5	✳	.15	.12	.09	.07
332655	MOC22000/100ℛ	JVP	.022µF	100	5.0x5.0x3.0x2.5	✳	.15	.12	.09	.05
544905	SR211C333KAAℛ	JVP	.033µF	100	3.8x2.5x3.8x5.1	✳	.19	.15	.12	.09
544913	SR211C473KAA	JVP	.047µF	100	3.8x2.5x3.8x5.1	.35	.25	.19	.15	.12
544921	SR215C104KAA	JVP	.1µF	50	3.8x2.5x3.8x5.1	✳	.14	.11	.08	.06
544884	SR211C104KAA	JVP	.1µF	100	3.8x2.5x3.8x5.1	✳	.15	.12	.09	.08
332672	MOC100000/100ℛ	JVP	.1µF	100	5.0x5.0x3.0x2.5	✳	.15	.12	.09	.08
544948	SR305C474KAA	JVP	.47µF	50	3.8x2.5x3.8x5.1	.55	.45	.39	.35	.29

*Capacitor dimensions and styles may vary † ±20% Note: Above case sizes may have ± tolerances

Applications:

- Data processing
- Communications engineering

Z5U Series (±20%)

- Operating temp. range: +10°C to +85°C

✳ Order in multiples of 10

Part No.	Product No.	●Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	Pricing 1	10	100	1000
81543	MD10ℛ	JVP	10pF	50	3.5 x 2.0 x 3.0 x 2.5	✳	$.09	$.07	$.05
81533	MD22	JVP	22pF	50	4.0 x 2.0 x 4.0 x 5.1	✳	.12	.09	.07
81525	MD100	JVP	100pF	50	3.3 x 2.0 x 3.0 x 2.5	✳	.12	.09	.05
81517	MD.001	JVP	.001µF	50	4.5 x 2.0 x 3.0 x 2.5	✳	.10	.08	.06
138202	MD.0047	JVP	.0047µF	50	3.3 x 2.2 x 5.5 x 4.6	✳	.09	.05	.035
25507	MD.01	JVP	.01µF	50	3.5 x 2.0 x 3.0 x 2.5	✳	.12	.09	.07
57621	MD.047	JVP	.047µF	50	2.5 x 2.5 x 3.0 x 2.5	✳	.12	.09	.07
25523	MD.1	JVP	.1µF	50	6.0 x 2.0 x 4.0 x 5.1	✳	.08	.06	.045
544868	SR205E104MAAℛ	JVP	.1µF	50	4.0 x 2.6 x 3.8 x 2.5	✳	.10	.07	.05
25525	MD.1ℛ	JVP	.1µF	50	3.4 x 2.2 x 3.6 x 5.1	✳	.11	.08	.06
25540	MD.22	JVP	.22µF	50	6.0 x 2.0 x 4.5 x 5.1	✳	.15	.12	.09
138237	MD.33	JVP	.33µF	50	6.0 x 2.0 x 8.0 x 5.1	✳	.15	.12	.09
544930	SR215E334MAA	JVP	.33µF	50	3.8 x 2.5 x 3.8 x 5.1	✳	.15	.12	.09
25558	MD.47	JVP	.47µF	50	4.5 x 2.5 x 4.5 x 5.1	✳	.17	.14	.11
81509	MD1	JVP	1µF	50	6.0 x 3.0 x 7.0 x 5.1	.35	.29	.22	.17
544956	SR305E105MAA	JVP	1µF	50	3.8 x 2.5 x 3.8 x 5.1	.39	.32	.25	.19

*Capacitor dimensions and styles may vary Note: Above case sizes may have ± tolerances

CERAMIC DISC CAPACITOR GRAB BAGS

200 Assorted: P/N 17857	**$6.95**
900 Assorted: P/N 135335	**$19.95**

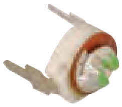
See page 40 for details.

● **JVP = Jameco ValuePro | PDC = Prosperity Dielectric Co. | VSH = Vishay**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro

Ceramic Trimmer Capacitors



5mm

- Working voltage: 200VDC
- Turning torque: 35~200 g-cm
- Oper. temp. range: -30˚C ~ +85˚C
- Withstand volt.: 400VDC
- Q Factor @ 1MHz: >200
- Insulation resis.: >10MΩ min. @ 250VDC

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
136979	9.0–50.0	Green	$.79	$.69	$.59	$.49

8mm (.315")

- Turning torque: 40~200 g-cm
- Operating temp. range: -55˚C ~ +85˚C
- Insulation resis.: 10MΩ min. @ 250VDC
- Withstand volt.: 550VDC
- Working volt.: 250VDC
- Q Factor @ 1MHz: >300

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
134818	3.5–13.0	Ivory	$.59	$.49	$.39	$.29
32839	4.0–34.0R	Yellow	.99	.89	.79	.65
32855	6.0-70R	Nil	.99	.89	.79	.65
94449	8.5-100	Purple	.99	.89	.79	.65
94466	8.5-120R	Nil	1.09	.99	.89	.75

★ Ceramic Trimmer Capacitors — Enter Web Code PBZ

JAMECO ValuePro

Memory Back-Up Capacitors

Applications:

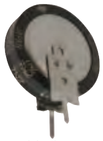
- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)
- Memory back-up of remote controllers

★ Web Code: SAB

Features:

- Small size vs. capacitance
- Voltage: 5.5VDC, 8VDC

142957



227811

Part No.	Cross Ref. No.	Value (F)	Size (mm) L x T x Dia.	1	10	100
2082409	MBC.047/8	0.047	13.7x 7.8 x 13.1	$1.95	$1.75	$1.49
142949	MBC.22/5.5	0.22	11.8 x 6.4 x 12.8	2.95	2.75	2.49
142957	MBC1.0/5.5	1.0	N/A x 7.4 x 20.8	3.95	3.49	2.95
227811	S5R5V105	1.0	24.2 x 4.8 x 18.0	3.95	3.49	2.95

★ Motor Capacitors Available Online — Enter Web Code MCS

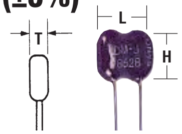
★ SMT Trimmer Capacitors Available Online — Enter Web Code SMT

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film

- Case type: DM15
- Lead space: 0.23"
- Operating temp. range: -55˚ to +125˚C
- Tolerance: ±5%

★ Web Code: HAB

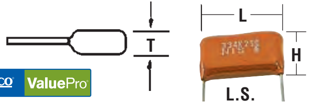


Part No.	Product No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
15991	DM100	10pF	500	11 x 4 x 9	$.69	$.65	$.59	$.55
16037	DM220	22pF	500	11 x 4 x 9	.69	.65	.59	.49
16096	DM470	47pF	500	11 x 4 x 9	.75	.69	.65	.55
16002	DM101	100pF	500	11 x 4 x 9	.75	.69	.65	.55
16088	DM331	330pF	500	11 x 4 x 9	.95	.85	.75	.59
16109	DM471	470pF	500	11 x 4 x 9	1.49	1.25	1.09	.99
531266	CD19FD681J03ℛ	680pF	500	15 x 4 x 10	1.59	1.45	1.25	1.09
16011	DM102	1000pF	100	11 x 4 x 9	1.65	1.59	1.45	1.25

*Capacitor dimensions and styles may vary

Metallized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.



JAMECO ValuePro

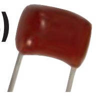
★ Web Code: RAD

✳ Order in multiples of 10

Part No.	Product No.	Value (µF)	Volt. (V)	Size (mm)* L x T x H x L.S.	Pricing 1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0 x 5.1	✳	$.12	$.09	$.07
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10 x 5.1	✳	.12	.09	.07
26884	MY.01	.01	100	6.0 x 3.0 x 7.0 x 5.1	✳	.17	.15	.12
207837	MY.018/50	.018	50	6.1 x 2.6 x 11.3 x 5.1	✳	.05	.03	.02
26905	MY.022	.022	100	6.0 x 3.0 x 10 x 5.1	✳	.17	.15	.12
26921	MY.033	.033	100	8.0 x 4.0 x 11 x 16.1	✳	.19	.17	.15
26930	MY.047	.047	100	8.0 x 4.0 x 12 x 5.1	✳	.19	.15	.12
1946172	MY.068	.068	100	8.6 x 4.0 x 11 x 7.6	✳	.19	.15	.12
135562	MY.1/50	.1‡	50	14 x 6.0 x 12 x 5.1	✳	.09	.08	.075
26956	MY.1	.1	100	12.5 x 5.0 x 9.5 x 7.6	.29	.22	.17	.14
93921	MY.1/250	.1	250	12.5 x 5.5 x 10 x 10.1	.29	.22	.17	.14
26972	MY.22	.22	100	12.5 x 5.5 x 10 x 7.6	.29	.22	.17	.14
1946181	MY.22SM	.22	100	12.5 x 5.0 x 8.5 x 10.1	✳	.19	.15	.12
93964	MY.33/250	.33	250	18 x 7.0 x 12.5 x 15.2	.35	.29	.25	.19
26999	MY.47	.47	100	18 x 6.0 x 11.5 x 16.1	.49	.39	.35	.25
27001	MY1	1.0	100	18 x 7.5 x 14 x 15.2	.59	.49	.39	.35
2129852	MKT368ℛ[1]	6.8	100	27 x 10 x 18 x 22	.65	.59	.49	.35
2129810	ECQ-E1106KFℛ[2]	10.0	100	26 x 10 x 21 x 22	.69	.65	.55	.45
93981	MY1/250	1.0	250	26 x 9.0 x 16 x 15.2	.69	.65	.55	.45
93999	MY2.2/250	2.2	250	26 x 9.0 x 16 x 27.9	1.25	.99	.79	.65

‡ ±20% tolerance *Capacitor dimensions and styles may vary Manufacturer: [1] Vishay [2] Panasonic

Panasonic® Metallized Film Capacitors (±5%)



V Series – Stacked

- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.

★ Web Code: RAD

Order in multiples of 10

Part No.	Mfr. Part No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing 10	100	500
920510	ECQ-V1H104JLℛ	.1	50	7.3 x 4 x 5 x 5	$.19	$.15	$.12
920595	ECQ-V1H474JLℛ	.47	50	7.3 x 6 x 7.3 x 5	.25	.22	.17

★ SMD Aluminum Electrolytic Capacitors Available Online — Enter Web Code BCE

JAMECO ValuePro

Chokes

NEW MARKED IN PINK

J.W. Miller Series Equivalents

★ Web Code: WBG

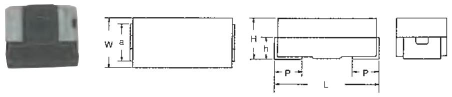
✳ Order in multiples of 10

Part No.	Cross Ref. No.	Description	Inductance Value (µH) ±10%	Pricing 1	10	100
208194	CEC-101J	Conformal coated choke	100	✳	$.19	$.15
642492	5300-25	Conformal coated RF choke	100	.55	.39	.29
642601	5800-101	High current axial RF choke	100	.69	.55	.39
208240	CEC-102J	Conformal coated choke	1000	✳	.19	.15
642695	5800-102	High current axial RF choke	1000	.69	.55	.39
372550	9250-225	Molded RF choke	2200	.95	.75	.55
642724	5800-472	High current axial RF choke	4700	.69	.55	.39
642741	5800-103	High current axial RF choke	10000	.69	.55	.39
642927	5900-103	High current axial RF choke	10000	.99	.79	.59

JAMECO ValuePro

Resin Molded Solid Tantalum Chip Capacitors (±10%)

★ Web Code: WAE



Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0

✳ Order in multiples of 10

Part No.	Case Size	Value (µF) Low ESR	Volt.	Pricing 1	10	100	1000
544981	ℛ A	1µF	16	✳	$.05	$.04	$.03
850224	ℛ† A	10µF	16	✳	.19	.15	.12
545158	ℛ B	2.2µF	35	✳	.09	.07	.05
545385	ℛ C	4.7µF	35	✳	.19	.15	.12

† Manufacturer: AVX

✳ Order in multiples of 10

Part No.	Case Size	Value (µF) *Low ESR	Volt.	Pricing 1	10	100	1000
545334	ℛ C	15µF	35	✳	$.19	$.15	$.12
597388	ℛ C	*15µF	35	✳	.19	.15	.12
597433	ℛ C	*22µF	35	.75	.69	.59	.55
545406	ℛ C	47µF	25	✳	.19	.15	.12
545369	ℛ C	220µF	10	✳	.19	.15	.12

★ Multilayer Ceramic Chip Caps Available Online — Enter Web Code MCD

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

1/8-Watt Carbon Film Resistor (±5%) Assortment

★ Web Code: CAP

Part No.	Cross Ref.	Values	Description (see chart, below)	1	5
108303	ASST1830ℛ	✗ \#	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked below by **#** (540 pcs.)	**$14.95**	**$13.49**

Part No.	Cross Ref.	Values	Description (see chart, below left)	1	5
108329	CAB182R	—	1/8 watt resistor component cabinet kit 30 values (540 pcs.) see page 39	**$29.95**	**$26.95**

1/8-Watt Resistor Assortment Values (Ohms)

10 ✗	150 ✗	330 ✗	680 ✗	2.0k ✗	3.3k ✗	5.6k ✗	15k ✗	33k ✗	470k ✗
47 ✗	220 #	390 ✗	1.0k #	2.2k ✗	4.7k #	6.8k ✗	22k ✗	47k ✗	1.0M ✗
100 #	270 ✗	470 ✗	1.5k ✗	2.7k ✗	5.1k ✗	10k #	27k ✗	100k #	10M ✗

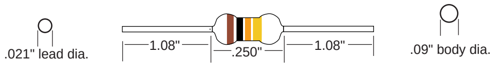
1/8-Watt Single Value Resistor

*Sold in bags of 100

Part No.	Ohms	*1	*10	*50	*250
107916	100	**$4.00**	**$2.00**	**$1.00**	**$.75**

JAMECO ValuePro

1/4-Watt Carbon Film Resistors (±5%) RoHS



★ Web Code: RCN

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)			
Specify Part No. & Resistor Value	100	1000	5000
(see Standard Resistor Values Chart below)	$.04	$.03	$.02

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

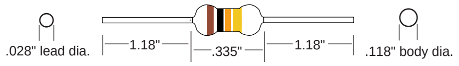
Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing 1	5	50
10720	ASST8-R	—	5 ea. 70 values (350 pcs.) ℛ (every other value from 10Ω - 5.6 MΩ) ℛ	**$10.95**	**$9.95**	**$8.95**
103166	ASST30-R	● ✖	10 ea. 24 values marked ● and 50 ea. 6 values marked ✖ (540 pcs.) ℛ	**14.95**	**13.49**	**11.95**
10664	ASST27-R	▲	100 ea. 27 values marked (2,700 pcs.)ℛ	**29.95**	**26.95**	**24.95**
81832	N/A	—	1/4-watt resistor cabinet kit 30 values, see pg 39 (540 pcs.)	**29.95**	**26.95**	**24.95**

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	ℛ 2.2	**690427**	ℛ 15	**690620** ▲✖	ℛ 100	**690822** ▲●	ℛ 680	**691024** ▲✖	ℛ 4.7k	**691227** ▲●	ℛ 33k	**691420**	ℛ 220k	**691622**	ℛ 1.5M
690224	ℛ 2.4	**690435**	ℛ 16	**690638**	ℛ 110	**690831**	ℛ 750	**691032** ▲●	ℛ 5.1k	**691235**	ℛ 36k	**691438**	ℛ 240k	**691631**	ℛ 1.6M
690232	ℛ 2.7	**690443**	ℛ 18	**690646**	ℛ 120	**690849**	ℛ 820	**691041** ▲●	ℛ 5.6k	**691243**	ℛ 39k	**691446**	ℛ 270k	**691892**	ℛ 1.8M
690241	ℛ 3.0	**690451**	ℛ 20	**690654**	ℛ 130	**690857**	ℛ 910	**691059**	ℛ 6.2k	**691251**	ℛ 43k	**691454**	ℛ 300k	**691649**	ℛ 2.0M
690259	ℛ 3.3	**690460**	ℛ 22	**690662** ▲●	ℛ 150	**690865** ▲✖	ℛ 1.0k	**691067**	ℛ 6.8k	**691260** ▲●	ℛ 47k	**691462**	ℛ 330k	**691657**	ℛ 2.2M
690267	ℛ 3.6	**690478**	ℛ 24	**690671**	ℛ 160	**690873**	ℛ 1.1k	**691075**	ℛ 7.5k	**691278**	ℛ 51k	**691471**	ℛ 360k	**691665**	ℛ 2.4M
690275	ℛ 3.9	**690486**	ℛ 27	**690689**	ℛ 180	**690881** ●	ℛ 1.2k	**691083**	ℛ 8.2k	**691286**	ℛ 56k	**691489**	ℛ 390k	**691673**	ℛ 2.7M
690283	ℛ 4.3	**690494**	ℛ 30	**690697**	ℛ 200	**690890**	ℛ 1.3k	**691091**	ℛ 9.1k	**691294**	ℛ 62k	**691497**	ℛ 430k	**691681**	ℛ 3.0M
690291	ℛ 4.7	**690507**	ℛ 33	**690700** ▲✖	ℛ 220	**690902** ▲●	ℛ 1.5k	**691104** ▲✖	ℛ 10k	**691307**	ℛ 68k	**691500** ▲●	ℛ 470k	**691690**	ℛ 3.3M
690304	ℛ 5.1	**690515**	ℛ 36	**690718**	ℛ 240	**690911**	ℛ 1.6k	**691112**	ℛ 11k	**691315**	ℛ 75k	**691518**	ℛ 510k	**691702**	ℛ 3.6M
690312	ℛ 5.6	**690523**	ℛ 39	**690726** ▲●	ℛ 270	**690929**	ℛ 1.8k	**691121**	ℛ 12k	**691323**	ℛ 82k	**691526**	ℛ 560k	**691711**	ℛ 3.9M
690321	ℛ 6.2	**690531**	ℛ 43	**690734**	ℛ 300	**690937** ▲●	ℛ 2.0k	**691139**	ℛ 13k	**691331**	ℛ 91k	**691534**	ℛ 620k	**691737**	ℛ 4.7M
690339	ℛ 6.8	**690540** ▲●	ℛ 47	**690742** ▲●	ℛ 330	**690945** ▲●	ℛ 2.2k	**691147** ▲●	ℛ 15k	**691340** ▲✖	ℛ 100k	**691542**	ℛ 680k	**691745**	ℛ 5.1M
690347	ℛ 7.5	**690558**	ℛ 51	**690751**	ℛ 360	**690953**	ℛ 2.4k	**691155**	ℛ 16k	**691358**	ℛ 110k	**691551**	ℛ 750k	**691753**	ℛ 5.6M
690363	ℛ 8.2	**690566**	ℛ 56	**690769** ●	ℛ 390	**690961** ▲●	ℛ 2.7k	**691163**	ℛ 18k	**691366**	ℛ 120k	**691569**	ℛ 820k	**691761**	ℛ 6.2M
690371	ℛ 9.1	**690574**	ℛ 62	**690777**	ℛ 430	**690970**	ℛ 3.0k	**691171** ●	ℛ 20k	**691374**	ℛ 130k	**691577**	ℛ 910k	**691770**	ℛ 6.8M
690380 ▲●	ℛ 10	**690582**	ℛ 68	**690785** ▲●	ℛ 470	**690988** ▲●	ℛ 3.3k	**691180** ▲●	ℛ 22k	**691382**	ℛ 150k	**691585** ▲●	ℛ 1.0M	**691788**	ℛ 7.5M
690398	ℛ 11	**690591**	ℛ 75	**690793**	ℛ 510	**690996**	ℛ 3.6k	**691198**	ℛ 24k	**691391**	ℛ 160k	**691593**	ℛ 1.1M	**691796**	ℛ 8.2M
690401	ℛ 12	**690603**	ℛ 82	**690806**	ℛ 560	**691008**	ℛ 3.9k	**691201**	ℛ 27k	**691403**	ℛ 180k	**691606**	ℛ 1.2M	**691809**	ℛ 9.1M
690419	ℛ 13	**690611**	ℛ 91	**690814**	ℛ 620	**691016**	ℛ 4.3k	**691219**	ℛ 30k	**691411**	ℛ 200k	**691614**	ℛ 1.3M	**691817** ▲●	ℛ 10M

JAMECO ValuePro

1/2-Watt Carbon Film Resistors (±5%)



★ Web Code: SCH

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
Values may not be combined for quantity price breaks.

Pricing Per Resistor (Please order in increments of 100)			
Specify Part No. & Resistor Value	100	1000	5000
(see Standard Resistor Values Chart below)	$.05	$.04	$.03

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

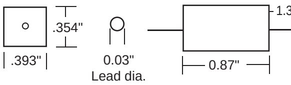
Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	5
107853	ASST1230ℛ	✗ \#	10 ea. of 24 values marked by 7 and 50 ea. of 6 values marked by # (540 pcs.)	**$24.95**	**$22.49**
107845	ASST1227ℛ	✔	100 ea. of 27 values marked by 4 (2,700 pcs.)	**39.95**	**36.95**
107837	ASST1270ℛ	N/A	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.)	**12.95**	**11.95**
107879	CAB12R	N/A	1/2-watt resistor component cabinet kit – 30 values (540 pcs.), see page 39	**39.95**	**34.95**

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	ℛ 1.0	**659868**	ℛ 16	**661280**	ℛ 120	**661440**	ℛ 560	**661600** ✔✗	ℛ 2.7k	**661781**	ℛ 13k	**661950**	ℛ 68k	**662215**	ℛ 820k
659614	ℛ 1.5	**659884**	ℛ 20	**661301** ✔✗	ℛ 150	**661466** ✔✗	ℛ 680	**661618**	ℛ 3.0k	**661790** ✔✗	ℛ 15k	**661976**	ℛ 82k	**662231** ✔✗	ℛ 1.0M
659657	ℛ 2.2	**659892**	ℛ 22	**661327**	ℛ 180	**661474**	ℛ 750	**661634** ✔✗	ℛ 3.3k	**661811**	ℛ 18k	**661992** ✔#	ℛ 100k	**662240**	ℛ 1.1M
659673	ℛ 2.7	**661124**	ℛ 27	**661335**	ℛ 200	**661482**	ℛ 820	**661642**	ℛ 3.6k	**661829**	ℛ 20k	**662004**	ℛ 110k	**662282**	ℛ 1.6M
659737	ℛ 4.7	**661141**	ℛ 33	**661343** ✔#	ℛ 220	**661503** ✔#	ℛ 1.0k	**661651**	ℛ 3.9k	**661837** ✔✗	ℛ 22k	**662039**	ℛ 150k	**662291**	ℛ 1.8M
659788	ℛ 7.5	**661183** ✔✗	ℛ 47	**661351**	ℛ 240	**661520**	ℛ 1.2k	**661677** ✔#	ℛ 4.7k	**661845**	ℛ 24k	**662071**	ℛ 220k	**662311**	ℛ 2.2M
659809	ℛ 9.1	**661191**	ℛ 51	**661360** ✔✗	ℛ 270	**661538**	ℛ 1.3k	**661685** ✔✗	ℛ 5.1k	**661853** ✗	ℛ 27k	**662098**	ℛ 270k	**662320**	ℛ 2.4M
659817 ✔✗	ℛ 10	**661204**	ℛ 56	**661378**	ℛ 300	**661546** ✔✗	ℛ 1.5k	**661693** ✔✗	ℛ 5.6k	**661870** ✔✗	ℛ 33k	**662119**	ℛ 330k	**662362**	ℛ 3.6M
659825	ℛ 11	**661221**	ℛ 68	**661386** ✔✗	ℛ 330	**661554**	ℛ 1.6k	**661714** ✗	ℛ 6.8k	**661896**	ℛ 39k	**662127**	ℛ 360k	**662397**	ℛ 4.7M
659833	ℛ 12	**661239**	ℛ 75	**661407** ✗	ℛ 390	**661562**	ℛ 1.8k	**661731**	ℛ 8.2k	**661909**	ℛ 43k	**662135**	ℛ 390k	**662426**	ℛ 6.2M
659841	ℛ 13	**661247**	ℛ 82	**661423** ✔✗	ℛ 470	**661571** ✔✗	ℛ 2.0k	**661757** ✔#	ℛ 10k	**661917** ✔✗	ℛ 47k	**662151** ✔✗	ℛ 470k	**662469**	ℛ 9.1M
659850	ℛ 15	**661263** ✔#	ℛ 100	**661431**	ℛ 510	**661589** ✔✗	ℛ 2.2k	**661773**	ℛ 12k	**661933**	ℛ 56k	**662186**	ℛ 620k	**662477** ✔✗	ℛ 10M

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

5-Watt Wirewound Resistors (5%)

- Temperature range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable

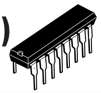


See resistor value chart on right	1	10	100	500
Pricing	$.49	$.45	$.39	$.35
Orange Pricing	.29	.25	.19	.15

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956 ℛ	0.10	660295 ℛ	5.0	660623 ℛ	100
659964 ℛ	0.15	660375 ℛ	10	660851 ℛ	820
660050 ℛ	0.5	660447 ℛ	20	660877 ℛ	1.0k
660130 ℛ	1.0	660480 ℛ	27	661010 ℛ	4.7k
660201 ℛ	2.0	660551 ℛ	50	661036 ℛ	10k
660279 ℛ	4.0				

★Wirewound Resistors — Enter Web Code TCH

Dual-In-Line "DIP" Resistor Networks ±2% (G)



16-Pin (140mW/Resistor) ±2%

★Web Code: GAP

- Max. operating voltage: 100V
- Temp. coefficient:±100ppm/°C
- Operating temp.:-55°C to +125°C
- Insulation res.: 10,000MΩ min.

✳ Order in multiples of 10

	1	10	100	500
Pricing	$.59	$.55	$.49	$.45

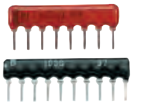
Part No.	Ohms
108556	100
856095	120
108564	220
108572	330
108581	470
108599	1.0k

Part No.	Ohms
87601	*1.0k
108610	4.7k
108628	10k
108644	100k
855914	†100k

*Bussed †14-pin pkg.

125mW SIP Bussed Conformal Coated Resistor Network

★Web Code: WRN



Part No.	Pins	Ohms	Tol. (±%)
268032	6	10k	2
2077802	8	8.2k	5
97826	8	10k	2
97851	10	330	2
97869	10	470	2
97877	10	1.0k	2
97893	10	2.2k	2
24660	10	4.7k	2

Order in multiples of 10

	10	100	500
Pricing	$.22	$.19	$.15

Part No.	Pins	Ohms	Tol. (±%)
98095	10	10k	2
24643	10	*10k	2
2077714	10	10k	5
2078080	10	10k	5

*Isolated

0805 (1/8W) Chip Resistor Assortment (±5%)

★Web Code: CKS

144 Values, 50 pcs. each

- 7,200 pieces total
- Max. overload volt.: 200V
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: 70°C
- Weight: 1.9 lbs.
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Part No.	Product No.	1	5	25
172806	16-500	$79.95	$69.95	$59.95

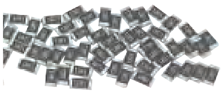
Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

1206 (1/4W) Chip Resistor Assortment (±1%)

★Web Code: CKS

56 Values, 200 pcs. each; 11,200 pcs. Total



- Maximum working voltage: 200V
- Operating temp.: 70°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H
- **Packaged 200 pc. strip**

Part No.	Cross Ref. No.	1	5	25
156882	SMR1206SBℛ	$99.95	$89.95	$74.95

Value Chart (Ohms)

10	121	1.5k	20k	243k
12.1	150	2k	24.3k	301k
15	200	2.43k	30.1k	392k
20	243	3.01k	39.2k	499k
24.3	301	3.92k	49.9k	619k
30.1	392	4.99k	31.9k	750k
39.2	499	6.19k	75k	909k
49.9	619	7.5k	90.9k	1M
61.9	750	9.09k	100k	
75	909	10k	121k	
90.9	1k	12.1k	150k	
100	1.21k	15k	200k	

Expanded Offering of Thousands of Resistors at www.Jameco.com

1/4W 1% Metal Film Resistors

- *Wire leads*
- *Color bands*

Qty.	100	1000	5000	10000
MF-25	$.009	$.008	$.007	$.006

MFR Series – 13 Values ★Web Code: MFR

1/16W 5% Chip Resistor Arrays

TC164 YC164

- *Op. temp.: +55˚C to 155˚C*
- *4-chip resistors*

Qty.	100	1000	5000	10000
TC-164	$.009	$.008	$.007	$.006
YC-164	.009	.008	.007	.006

TC164 Series – 2 Values ★Web Code: ZAH

YC164 Series – 4 Values ★Web Code: ZAG

RC Series 1% SMD Thick Film Resistors

- *Op. temperature: +55˚C to 125˚C*
- *General purpose*

Qty.	100	1000	5000	10000
0603	$.009	$.008	$.007	$.006
0805	.009	.008	.007	.006
1206	.009	.008	.007	.006

★SMD Thick Film 1% — Enter Web Code SMF

0603 – 2 Values *0805 – 6 Values*

1206 – 2 Values

RC Series 5% SMD Thick Film Resistors

- *Op. temperature: +55˚C to 125˚C*
- *General purpose*

Order in multiples of 100

Qty.	100	1000	5000	10000
0805	$.01	$.009	$.008	$.007
1206	.025	.02	.015	.01

★SMD Thick Film 5% — Enter Web Code THF

0805 – 7 Values *1206 – 6 Values*

★SIP Resistor Networks Available Online — Enter Web Code WRN

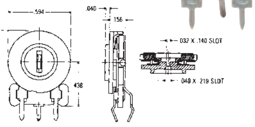
1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount Trimmer

- 15mm thick • Volt. rating: 350VDC
- Power rating: below 5kΩ – 1/4 watt @ 40˚C; 5kΩ & above – 1/4 watt @ 55˚C
- Total rotation: 260˚ ±5˚

Cross Ref. Chart

Equivalent to:	
CTS	X201R
Bourns	3355X
PIHER	PT15



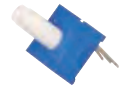
Qty.	1	10	100	500
Pricing	$.55	$.45	$.39	$.35

Part No.	Cross Ref. No.	Ohms
94693	X201R1Kℛ	1k
94714	X201R10Kℛ	10k
94731	X201R100Kℛ	100k

1/2-Watt, 3/8" Square, Single-Turn Trimmer Potentiometers w/ Shaft

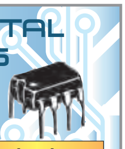
- 3 positions
- Shaft length: 0.32"
- 0.1" lead spacing

★Web Code: TDF



Part No.	Mfr. Part No.	Value	1	10	100
2118803	18STS1Kℛ	1kΩ	$1.49	$1.35	$1.19
2118791	18STS10Kℛ	10kΩ	1.95	1.75	1.49

BEST SELLING DIGITAL POTENTIOMETERS



Part No.	1	10
241752	$1.95	$1.75
241744	1.45	1.35

★Web Code: JBP

1/4-Watt 24mm Audio Taper (±20%)

255426

- Body diameter: 0.945"
- Shaft diameter: 0.250"
- Terminal type: solder lugs
- Rotational angle: 300° (±5°) • Max. voltage: 250V
- Insulation resistance: >100MΩ @ 500VDC

★Web Code: MBQ

Qty.	1	10	100
Pricing	$1.55	$1.39	$1.25

Part No.	Manufacturer Part No.	Shaft Length	Ohms
255397	RV24AF-10-15R1-A13ℛ	0.335"	1k
255426	RV24AF-10-15R1-A14ℛ	0.335"	10k
255434	RV24AF-10-15R1-A54ℛ	0.335"	50k
255442	RV24AF-10-15R1-A15ℛ	0.335"	100k
255451	RV24AF-10-15R1-A55ℛ	0.335"	500k
255469	RV24AF-10-15R1-A16ℛ	0.335"	1M

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Potentiometers

1/8 & 1/5-Watt 16mm Linear Taper Potentiometers (±20%)

- Rated voltage: 200V
- Body diameter: 0.63"
- Shaft diameter: 0.250"
- Insulation resistance: >100MΩ @ 500VDC

286193

1/8-Watt (±20%)

- Rotational angle: 300˚ (±5˚)
- Rotation life: 15k cycles

Qty.	1	10	100
Pricing	$1.39	$1.19	$1.05

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286193	RV16AF-10-20R1-B53ℛ	0.531"	5k
286206	RV16AF-10-20R1-B14ℛ	0.531"	10k
286214	RV16AF-10-20R1-B54ℛ	0.531"	50k
286222	RV16AF-10-20R1-B55ℛ	0.531"	500k

1/5-Watt (±20%)

- Shaft diameter: 0.25"
- Body diameter: 0.63"

Qty.	1	10	100	500
Pricing	$1.59	$1.35	$1.15	$.99

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286249	RV16AF-10-15R1-B13ℛ	0.335"	1k
286265	RV16AF-10-15R1-B53ℛ	0.335"	5k
286273	RV16AF-10-15R1-B14ℛ	0.335"	10k
163563	PMD401K*	0.605"	10k
286302	RV16AF-10-15R1-B15ℛ	0.335"	100k
286337	RV16AF-10-15R1-B16ℛ	0.335"	1M

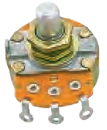
*10 detents

1/2-Watt 24mm Linear Taper (±10%)

★Web Code: JAE

- Temp. range: -55˚C to +125˚C
- Non-rotational key, non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25"
- Shaft length: 0.355"

Includes: Mounting hardware



Qty.	1	10	100	500
Pricing	$1.25	$1.09	$.95	$.85

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1Kℛ	1k	29082	P10Kℛ	10k
2133675	B1Kℛ *	1k	29103	P100Kℛ	100k
29197	P5Kℛ	5k	29066	P1MEGℛ	1M

*Mounting hole: 0.375"; shaft length: 0.375"

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- Shaft diameter: 0.25"
- Maximum voltage: 500V
- Terminal type: solder lugs
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)

Qty.	1	10	100
Pricing	$1.95	$1.75	$1.59

Part No.	Manufacturer Part No.	Shaft Length	Ohms
263768	RV24A01F-10-15R1-B13ℛ	0.335"	1k
263792	RV24A01F-10-15R1-B14ℛ	0.335"	10k
263813	RV24A01F-10-15R1-B54ℛ	0.335"	50k
263822	RV24A01F-10-15R1-B100Kℛ	0.335"	100k
263848	RV24A01F-10-15R1-B55ℛ	0.335"	500k

★Linear Taper Potentiometers — Enter Web Code JAE

1/2-Watt 24mm Linear Taper (±20%)

★Web Code: JAE

- Rotational angle: 300° (±5°)
- Max. volt.: 500V
- Shaft Dia.: 0.25"
- Withstanding voltage for 1 minute: 500VAC

255477

264373

255629

Qty.	1	10	100
Pricing	$1.55	$1.39	$1.25

Part No.	Manufacturer Part No.	Shaft Length	Ohms
255477	RV24AF-10-15R1-B52ℛ	0.335"	500
255485	RV24AF-10-15R1-B13ℛ	0.335"	1k
255493	RV24AF-10-15R1-B23ℛ	0.335"	2k
255514	RV24AF-10-15R1-B53ℛ	0.335"	5k
255522	RV24AF-10-15R1-B14ℛ	0.335"	10k
255531	RV24AF-10-15R1-BF4ℛ	0.335"	25k
255549	RV24AF-10-15R1-B54ℛ	0.335"	50k
255557	RV24AF-10-15R1-B15ℛ	0.335"	100k
255565	RV24AF-10-15R1-BF5ℛ	0.335"	250k
255573	RV24AF-10-15R1-B55ℛ	0.335"	500k
255582	RV24AF-10-15R1-B16ℛ	0.335"	1M
255600	RV24AF-10-15R1-B26ℛ	0.335"	2M
264373	RV24AF-10-20K-B52ℛ	0.531"	500
264382	RV24AF-10-20K-B13ℛ	0.531"	1k
264402	RV24AF-10-20K-B53ℛ	0.531"	5k
264411	RV24AF-10-20K-B14ℛ	0.531"	10k
264429	RV24AF-10-20K-B54ℛ	0.531"	50k
264437	RV24AF-10-20K-B15ℛ	0.531"	100k
264445	RV24AF-10-20K-BF5ℛ	0.531"	250k
264462	RV24AF-10-20K-B16ℛ	0.531"	1M
255629	RV24AF-10-40R1-B13ℛ	1.32"	1k
255662	RV24AF-10-40R1-B14ℛ	1.32"	10k
255688	RV24AF-10-40R1-B54ℛ	1.32"	50k
255696	RV24AF-10-40R1-B15ℛ	1.32"	100k

2-Watt 22mm Linear Taper (±10%)

RV4N Series (53C3)

- 2W @ 70˚C ambient
- Non-rotational key
- Temp. range: -55˚C to +120˚C
- Shaft length: 0.875"
- Shaft dia.: 0.25"
- Mounting hole: 0.375"
- Max. panel thickness: 0.25"

Includes: Mounting hardware

13936

Qty.	1	10	50
Pricing	$10.95	$9.95	$8.95

Part No.	Military No.	Ohms	Part No.	Military No.	Ohms
241568	RV4NAYSD101A	100	13952	RV4NAYSD103A	10k
241584	RV4NAYSD251A	250	241656	RV4NAYSD203A	20k
183610	RV4NAYSD501A	500	241664	RV4NAYSD253A	25k
13936	RV4NAYSD102A	1k	95417	RV4NAYSD503A	50k
241613	RV4NAYSD202A	2k	13979	RV4NAYSD104A	100k
241621	RV4NAYSD252A	2.5k	241681	RV4NAYSD254A	250k
13995	RV4NAYSD502A	5k	241728	RV4NAYSD105A	1M

2W 22mm 10-Turn Linear Taper (±5%)

Part No.	Cross Ref. No.	Ohms	1	10	50
2111880	3540S-1-502ℛ	5k	$9.95	$9.49	$8.95

★1/2-Watt, 3/8" Square, Multi-Turn Trim Potentiometers — Enter Web Code TDF

Bourns® 2-Watt 22mm 10-Turn Wirewound (±5%)

★Web Code: JBE

- Insulation resis.: (500VDC) 1000MΩ min.
- Absolute min. resis.: 1Ω or 0.1% max.
- Operating temp. range: +1°C to +125°C

183548

3540S-1 Series: 2W @ 70˚C; metal
3590S-1 Series: 2W @ 40˚C; plastic
3540S-1 Series: 2W @ 40˚C; metal

855818

Part No.	Mfr. Part No.	Ohms	1	10	50
183548	3540S-1-502Lℛ	5k	$23.95	$21.95	$19.95
855818	3590S-2-502Lℛ	5k	12.95	11.95	10.95
183521	3540S-1-103	10k	19.95	18.95	17.95
771121	3590S-1-103Lℛ	10k	12.95	11.95	10.95
771155	3590S-2-103Lℛ	10k	12.95	11.95	10.95
771139	3590S-1-104Lℛ	100k	16.95	15.49	13.95

2 & 5-Watt 24mm Linear Taper Wirewound (±20%)

- Temp. range: -10˚C to +70˚C
- Non-rotational key

Includes: Mounting hardware

2-Watt (±20%)

- Shaft length: 0.825"
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Base length: 0.25"

123960

Part No.	Cross Ref. No.	Ohms	1	10	100
123960	PT1Kℛ	1k	$4.75	$3.95	$3.49

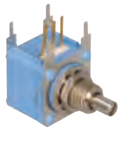
5-Watt (±20%)

- Shaft length/diameter: 0.67"/0.23" (6mm)
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"

Part No.	Cross Ref. No.	Ohms	1	10	100
140514	PW5B100ℛ	100	$3.75	$3.39	$2.95

1/2" Square, 0.5 Watt Series 308 Potentiometers

- Single conductive plastic, 0.5W
- 0.125"Dia. x 0.181"L
- Smooth shaft with slotted end
- Effective rotation: 265° (±5°)
- Electrical rotation: 295° (±5°)
- Linearity: ±5% independent



Part No.	Mfr. Part No.	Resistance	1	10	50
2125405	308N10K	10kΩ	$2.95	$2.59	$2.25

★1/2-Watt, 1/4" Round, Cermet Potentiometers — Enter Web Code JDG

Bourns® 12mm Incremental Encoder

NEW
MARKED IN PINK

- Contact rating: 1mA @ 5VDC
- RPM (operating): 100 max.
- Output: 2-bit gray code
- Closed circuit resistance: 3Ω max.
- Switch type: contact push ON momentary SPST
- PC horizontal/rear facing, 24 detents, 25mm shaft length, insulated shaft, 24 pulses per 360° rotation

Part No.	Product No.	1	10	100
776386	PEC12-4225F-N0024ℛ	$1.19	$1.09	$.99

Pocket Trim Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade

Part No.	Description	Size	1	10	100
153315	Trimmer toolℛ	5.2"L	$1.95	$1.75	$1.49

ℛ RoHS compliant product   + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

RoHS ℛ RoHS Compliant Product
+ RoHS Also Available
DETAILS ON PAGE 180

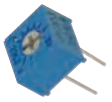
Cermet Trimmer Potentiometers

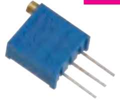
NEW MARKED IN PINK

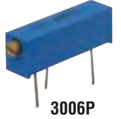
Bourns® Series Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: 1000MΩ min. (500VDC)
- Absolute minimum resistance: 2Ω
- Temperature range: -55˚C to 125˚C
- Manufacturer: yellow & blue shade: ValuePro
  white & green shade: Bourns®

3329H


3362P


3296W


3006P

3266 Series

- 1/4 watt, 1/4" square, 12-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
254642	3266Wℛ	1k	$1.95	$1.75	$1.49
254677	3266Wℛ	10k	1.95	1.75	1.49
254714	3266Wℛ	100k	1.95	1.75	1.49
254669	3266Wℛ	5k	1.95	1.75	1.49

3329 Series

- 1/2 watt, 1/4" round, single-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
854452	3329H	2k	$1.95	$1.75	$1.49
854487	3329H	20k	1.95	1.75	1.49
854567	3329H	50k	1.95	1.75	1.49
2133667	3329H	500k	.99	.89	.75
95441	3329P	1k	1.29	1.15	.99
96719	3329P	10k	1.29	1.15	.99
95484	3329P	100k	1.29	1.15	.99

3362 Series

- 1/2 watt, 1/4" square, single-turn

Part No.	Series*	Value (Ω)	1	10	100
770371	3362H	10k	$.95	$.85	$.75
191644	3362P	20	.35	.29	.25
189341	3362P	50	.35	.29	.25
182810	3362P	500	.95	.75	.65
253982	3362Pℛ	1k	.95	.75	.65
182829	3362Pℛ	5k	.95	.75	.65
182837	3362Pℛ	10k	.95	.75	.65
254002	3362Pℛ	20k	.75	.65	.55
254028	3362Pℛ	50k	.95	.75	.65
254036	3362Pℛ	100k	.95	.75	.65
254044	3362Pℛ	500k	.95	.75	.65
254115	3362P	1M	.95	.75	.65
254175	3362Wℛ	1k	.75	.65	.55
254204	3362Wℛ	10k	.75	.65	.55

*****H** & **P**: top adjustment; **W**: side adjustment

3386 Series

- 1/2 watt, 3/8" square, single-turn

Part No.	Series*	Value (Ω)	1	10	100
254297	3386Pℛ	100	$1.35	$1.25	$1.09
43123	3386Pℛ	500	1.35	1.25	1.09
42964	3386Pℛ	1k	1.35	1.25	1.09
43043	3386Pℛ	2k	1.35	1.25	1.09
43078	3386Pℛ	5k	1.35	1.25	1.09
43001	3386Pℛ	10k	1.35	1.25	1.09
43051	3386Pℛ	20k	1.35	1.25	1.09
254377	3386Pℛ	25k	1.35	1.25	1.09
43107	3386Pℛ	50k	1.35	1.25	1.09
43027	3386Pℛ	100k	1.35	1.25	1.09
43060	3386P	300k	.99	.89	.75
63212	3386Pℛ	500k	1.35	1.25	1.09
42981	3386Pℛ	1M	1.35	1.25	1.09
105216	3386P	2M	.99	.89	.79
241470	3386W	25k	.39	.35	.29
771024	3386Xℛ	100	.55	.49	.45

*****P**: top adjustment; **W** & **X**: side adjustment

3296 Series

- 1/2 watt, 3/8" rectangular, 25-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
853556	3296Wℛ	1k	$1.95	$1.75	$1.49
853572	3296Wℛ	10k	1.95	1.75	1.49
853599	3296Wℛ	100k	1.95	1.75	1.49
853610	3296Wℛ	1M	1.95	1.75	1.49
853652	3296Wℛ	2k	1.95	1.75	1.49
853679	3296Wℛ	20k	1.95	1.75	1.49
853695	3296Wℛ	200k	1.95	1.75	1.49
853759	3296Wℛ	500	1.95	1.75	1.49
853775	3296Wℛ	5k	1.95	1.75	1.49
853791	3296Wℛ	50k	1.95	1.75	1.49
240725	3296Y	100	1.49	1.35	1.19
240750	3296Yℛ	1k	1.49	1.35	1.19
240427	3296Yℛ	10k	1.49	1.35	1.19
240470	3296Yℛ	100k	1.49	1.35	1.19
240777	3296Yℛ	5k	1.49	1.35	1.19

3299 Series

- 1/2 watt, 3/8" square, 25-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
241111	3299Wℛ	1k	$1.75	$1.49	$1.35
241146	3299Wℛ	10k	1.75	1.49	1.35
241189	3299Wℛ	100k	1.75	1.49	1.35
241219	3299Wℛ	1M	1.75	1.49	1.35
238633	3299Wℛ	20k	1.75	1.49	1.35
241104	3299Wℛ	500	1.75	1.49	1.35
241139	3299Wℛ	5k	1.75	1.49	1.35
240602	3299W	10k	1.75	1.49	1.35

3006 Series

- 3/4 watt, 3/4" rectangular, 15-turn side adjustment

Part No.	Series	Value (Ω)	1	10	100
241242	3006P	200	$.55	$.49	$.45
41937	3006P	500	1.55	1.49	1.25
241269	3006P	1k	1.55	1.49	1.25
241270	3006Pℛ	1k	1.55	1.49	1.25
41865	3006P	2k	1.55	1.49	1.25
241278	3006Pℛ	2k	1.49	1.29	1.09
41890	3006P	5k	1.55	1.49	1.25
241286	3006Pℛ	5k	1.55	1.49	1.25
41822	3006P	10k	1.55	1.49	1.25
241294	3006Pℛ	10k	1.55	1.49	1.25
41873	3006P	20k	1.55	1.49	1.25
241307	3006Pℛ	20k	1.55	1.49	1.25
241323	3006Pℛ	50k	1.55	1.49	1.25
41849	3006P	100k	1.55	1.49	1.25
241332	3006Pℛ	100k	1.55	1.49	1.25
63001	3006P	200k	1.55	1.49	1.25
41953	3006P	500k	1.55	1.49	1.25
241374	3006Pℛ	1M	1.55	1.49	1.25

High-Current Toroid Inductors

J.W. Miller 2100 Series Value Equivalents

JAMECO ValuePro

★*Web Code: KBY*

- Low radiation
- Low core loss
- Operating temp.: -55°C to +105°C

Part No.	Cross Ref.	L(μH) @ 1kHz	1	10	100
371581	2109-H	47	$1.19	$.95	$.85
371856	2112-Vℛ	100	1.19	.95	.85
371872	2114-V	150	1.19	.95	.85

JAMECO ValuePro

Instrumentation Knobs (1/4" Shaft Diameters)

JAMECO EXCLUSIVE

★*Web Code: EBD*

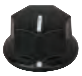


Fig. 1

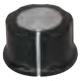


Fig. 2

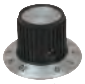


Fig. 3

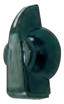


Fig. 4

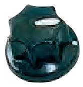


Fig. 5

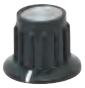


Fig. 6

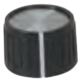


Fig. 7

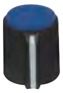


Fig. 8

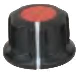


Fig. 9

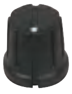
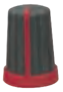


Fig. 10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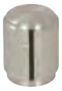
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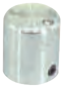
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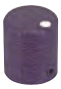
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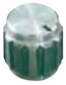
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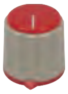


Fig. 16

Par+t No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265009	JK-902B	Black	White	.60 x .95	1	$.99	$.89	$.79
264998	JK-902Aℛ	Black	White	.69 x 1.31	1	.99	.89	.79
264990	JK-901Dℛ	Black/alum	White	.47 x .78	2	.95	.85	.75
264955	JK-901Cℛ	Black/alum	White	.61 x 1.06	2	.99	.89	.79
264946	JK-901B	Black/alum	White	.64 x 1.29	2	.85	.75	.65
264920	JK-901A	Black/alum	White	.79 x 1.77	2	1.49	1.35	1.09
264892	RN-113Aℛ	Black/alum	Numeric	.70 x 1.15	3	.99	.89	.79
264883	RN-112Aℛ	Black/alum	Numeric	.90 x 1.46	3	.99	.89	.79
264912	RN-114Aℛ	Black/alum	Numeric	.58 x 1.46	3	.85	.75	.65
102788	JK-903Cℛ	Black	White	.54 x 1.25	4	.75	.65	.55
104176	JK-902C	Black	White	.49 x .75	5	.99	.89	.79
202287	CP-Z1-M-Sℛ	Black/alum	White	.60 x .80	6	.89	.79	.69
136241	GKB-214ℛ	Black/alum	White	.52 x .54	7	1.25	1.09	.95
138393	41108-1ℛ	Black/alum	White	.56 x .85	7	1.35	1.19	.99
265077	JK-905Cℛ	Black/blue	White	.58 x .57	8	.99	.89	.79
265084	JK-905D	Black/green	White	.58 x .57	8	.99	.89	.79
265051	JK-905A ℛ	Black/red	White	.58 x .57	8	.99	.89	.79

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265069	JK-905Bℛ	Black/yellow	White	.58 x .57	8	$.99	$.89	$.79
265033	JK-904C	Black/blue	White	.47 x .78	9	.95	.75	.65
265018	JK-904Aℛ	Black/red	White	.47 x .78	9	.95	.75	.65
265025	JK-904B	Black/yellow	White	.47 x .78	9	.95	.75	.65
265041	JK-904D	Black/green	White	.47 x .78	9	.95	.75	.65
265122	JK-906ℛ	Black	White	.58 x .61	10	.99	.85	.75
265261	CR-MS-5-T18*	Grey	Grey	.68 x .51	11	.49	.39	.35
265228	CR-MS-1-T18*	Grey	Red	.68 x .51	11	.49	.39	.35
2123910	CR-MS-1C6-T18	Black	Red	.68 x .51	11	.59	.55	.49
265244	CR-MS-3-T18*	Gray	Blue	.68 x .51	11	.49	.45	.39
265236	CR-MS-2-T18*	Gray	Yellow	.68 x .51	11	.49	.45	.39
290125	42008-1ℛ†	Aluminum	Black	.50 x .625	12	2.09	1.95	1.75
162481	K5-1/4S	Chrome	Silver	.50 x .56	13	.99	.89	.79
162499	K5-1/4B	Black	White	.50 x .56	14	1.25	1.09	.95
138482	KN031ℛ	Aluminum	Black	.61 x .65	15	1.95	1.75	1.55
138502	KN032ℛ	Aluminum	Black	.87 x .70	15	2.59	2.35	2.09
265201	JK-907C-YW	Gray/yellow	Yellow	.72 x .68	16	.49	.39	.25

* For use with 1/4" knurled shaft † 1/8" shaft diameter

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

Hook-Up Wire & Telephone Cable

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

JAMECO ValuePro

Hook-Up Wire – Single & Dual Rated

★Web Code: JAS

- Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive • 300V peak • PVC insulation • Stranded • Sold in 100' rolls

Single Rated (UL1007): Bare copper -40° to 80°C

Dual Rated (UL1007 & UL1569): Tin-plated copper, -40°C to 105°C

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611 ℛ	734603 ℛ	734610 ℛ	734606 ℛ	734605 ℛ	734614 ℛ	$5.95	$5.49	$4.95
26	7 x 34	x	x	734511 ℛ	734503 ℛ	734510 ℛ	734506 ℛ	734505 ℛ	734514 ℛ	6.49	5.95	5.49
24	7 x 32	x	x	734411 ℛ	734403 ℛ	734410 ℛ	734406 ℛ	734405 ℛ	734414 ℛ	8.95	7.95	6.95
22	7 x 30	x		126085 ℛ	126034 ℛ	126077 ℛ	310852 ℛ	310878 ℛ	310886 ℛ	7.95	6.95	5.95
22	7 x 30	x	x	734311 ℛ	734303 ℛ	734310 ℛ	734306 ℛ	734305 ℛ	734314 ℛ	9.95	8.95	7.95
20	10 x 30	x		125840 ℛ	125795 ℛ	125831 ℛ	310894 ℛ	310915 ℛ	310922 ℛ	10.95	9.95	8.95
20	10 x 30	x	x	734211 ℛ	734203 ℛ	734210 ℛ	734206 ℛ	734205 ℛ	734214 ℛ	11.95	10.95	9.95
18	16 x 30	x		125787 ℛ	125736 ℛ	125752 ℛ	310932 ℛ	310949 ℛ	310958 ℛ	13.95	12.95	11.95
18	16 x 30	x	x	734111 ℛ	734103 ℛ	734110 ℛ	734106 ℛ	734105 ℛ	734114 ℛ	14.95	13.95	12.95
16	26 x 30	x	x	734011 ℛ	734003 ℛ	734010 ℛ	734006 ℛ	734005 ℛ	734014 ℛ	17.95	15.95	14.49

JAMECO ValuePro

Solid Hook-Up Wire – 22 AWG

★Web Code: PAF

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test • MIL-W-16878/1, type B PVC
- For use with breadboards such as the JE20 series, pg 154

NEW MARKED IN PINK

Length	Black P/N	Blue P/N	Green P/N	Red P/N	White P/N	Yellow P/N	1	5	10
25'	2152876 ℛ	2152884 ℛ	2152892 ℛ	2152905 ℛ	2153553 ℛ	2152921 ℛ	$2.49	$2.25	$1.95
100'	36792 ℛ	36768 ℛ	36822 ℛ	36856 ℛ	36881 ℛ	36920 ℛ	7.95	6.95	5.95
1000'	36805 ℛ	36776 ℛ	36840 ℛ	36864 ℛ	36899 ℛ	36928 ℛ	59.95	54.95	49.95

JAMECO ValuePro

Bus Bar Hook-Up Wire

★Web Code: QCS

Tinned Copper

- Solid soft drawn annealed bare copper • Single conductor
- Approvals: ASTM-B-3, QQ-W-343-Type-S
- Sold in 100' reels • Solid bare copper available online

Part No.	Gauge	O.D (in.)	Amps	1	5	25
2098478	24 AWGℛ	0.020	5	$7.95	$7.25	$6.49
2098486	22 AWGℛ	0.025	7	8.95	7.95	7.25
2098494	20 AWGℛ	0.032	8.5	10.95	9.95	8.95
2098507	18 AWGℛ	0.040	16	15.95	14.49	12.95
2098515	16 AWGℛ	0.061	19	18.95	16.95	15.49

Kynar™ Wire-Wrap Wire – 30 AWG

★Web Code: NAC

- Polyvinylidene fluoride insulation • Used for prototyping
- Silver plated copper (solid conductor) • UL 1423
- Temperature: -40°C to +125°C • Passes UL VW-1 flame test
- Wire wrap tools, pg 145 • See pg 16 for sockets

100 Foot Reel		Pricing	
Part No.	Color	1	5
22542	Blueℛ	$9.95	$8.95
22577	Blackℛ	9.95	8.95
22631	Redℛ	9.95	8.95
22665	Whiteℛ	9.95	8.95
22606	Greenℛ	9.95	8.95
22700	Yellowℛ	9.95	8.95

1000 Foot Reel		Pricing	
Part No.	Color	1	5
22551	Blueℛ	$69.95	$64.95
22585	Blackℛ	69.95	64.95
22649	Redℛ	69.95	64.95
22673	Whiteℛ	69.95	64.95
22614	Greenℛ	69.95	64.95
22702	Yellowℛ	69.95	64.95

JAMECO ValuePro

Modular Telephone Cable – 28 AWG

★Web Code: LCG

JAMECO EXCLUSIVE

- Color coded conductors
- Flat modular cable • Gray
- 7 x 43 stranded • PVC jacket

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	5	10
644666	300-840SL-100	4	100	$7.49	$6.95	$6.49
644674	300-840SL-1000	4	1000	54.95	49.95	44.95
644691	300-860SL-100	6	100	10.95	9.95	8.95
644703	300-860SL-1000	6	1000	74.95	69.95	66.95
644720	300-880SL-100	8	100	12.95	11.69	10.49
644738	300-880SL-1000	8	1000	89.95	84.95	79.95

Wire Jumper Kits

- 0.1" to 5.0" lengths (14 sizes)
- Pre-stripped/preformed
- Clear plastic durable case
- 22 AWG solid wire jumpers in 10 colors

19290

2127718: 70 pieces, 5 of each length
2096018: 140 pieces, 10 of each length
19290: 350 pieces, 25 of each length
20080: 350 pieces, refill for 19290

★Web Code: LAS

Part No.	Description	1	10	50	100
2127718	70-piece kitℛ	$6.95	$6.39	$5.75	$5.25
2096018	140-piece kitℛ	9.95	8.95	7.95	6.95
19290	350-piece kitℛ	16.95	14.95	12.95	10.95
20080	Refill for 19290ℛ	11.95	10.95	8.95	6.95

Reinforced Jumper Wires & Breadboards on page 155

22 AWG Hook-Up Wire Bundle – 25'

This bundle contains 6 spools of our popular 22 gauge solid hook-up wire; each spool a different color.

- Black, light blue, green, red white and yellow
- Great for engineers, technicians and labs
- Annealed solid tinned copper conductor
- 25' spools • Passes UL VW-1 flame test

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5
2153705	HUW25PK	$11.95	$10.95

1/4 Lb. Solid Bare Nickel Chromium Resistance Wire

This wire is made for applications requiring extremely high temperatures and resistance such as electrical heating and industrial rheostats. The heat rating allows the wire to withstand severe overloads and short circuits.

- 60% nickel, 16% chromium, 24% iron
- Temperature: to 3056˚F (1680˚C)
- Excellent resistance characteristics

★Web Code: BNC

Part No.	Gauge	Nom. O.D	Length (ft.)	Ω/Ft. @ 68F	1	5	25
2119419	24 AWGℛ	.0201"	205	1.671	$14.95	$13.95	$12.95

JAMECO ValuePro

1/4 Lb. Magnet Wire

★Web Code: MGT

Excellent Windability!

Magnetic wire is perfect for custom winding applications: coils, inductors, transformers, motors, ballasts, relays, speakers and timers.

- Solid bare copper conductor
- Polyurethane/polyamide (nylon) insulation
- Solderable @ 806˚F/430˚C (14-24 AWG), 680˚F/360˚C (25-40 AWG)
- Approvals: MIL JW-1177/9, MW 28-C, Class 130 (14-24 AWG)
  MIL JW-1177/42, MW 80-C, Class 155 (25-40 AWG)

Part No.	Gauge	Nom. O.D	Length (ft.)	Temp. Range	1	5	25
2098371	16 AWGℛ	.0524"	32	-30˚ – 130˚C	$5.49	$5.19	$4.95
2098380	18 AWGℛ	.0418"	51	-30˚ – 130˚C	5.95	5.69	5.39
2098398	20 AWGℛ	.0334"	81	-30˚ – 130˚C	6.29	5.95	5.69
2098401	22 AWGℛ	.0265"	129	-30˚ – 130˚C	6.49	6.19	5.95
2098419	24 AWGℛ	.0213"	205	-30˚ – 130˚C	6.79	6.39	6.09
2119347	26 AWGℛ	.0169"	328	-30˚ – 155˚C	6.95	6.59	6.29
2119355	28 AWGℛ	.0136"	520	-30˚ – 155˚C	7.49	6.95	6.59
2119363	30 AWGℛ	.0109"	825	-30˚ – 155˚C	8.49	7.95	7.59

JAMECO ValuePro

Twisted Paired Cable – 24 AWG

- PVC insulation • Reduced EMI
- Use for hook-up wire • 80°C
- Stranded tinned wire (7 x 32) • 300 V

★Web Code: EBC

100 Foot Reel		Pricing	
Part No.	Color	1	5
173164	Black/whiteℛ	$9.95	$9.49
105912	Grn/whiteℛ	9.95	9.49
173148	Red/whiteℛ	9.95	9.49

1000 Foot Reel		Pricing	
Part No.	Color	1	5
173172	Black/whiteℛ	$79.95	$74.95
105807	Grn/whiteℛ	79.95	74.95
173156	Red/whiteℛ	79.95	74.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Coaxial Cable

JAMECO ValuePro

★Web Code: CLC

Common Coax Cables: RG-#/U (RG = Radio Grade; U = Universal)
RG-6: CATV/SAT, 18 AWG, 75Ω
RG-8: Amateur radio; thicker than RG-6, 50Ω
RG-58: Radio communication, amateur radio, 50Ω
RG-59: Baseband video in CCTV, low shielding, 75Ω
RG-174: WiFi pigtails, more flexible but higher loss than RG-58, 50Ω

- Color: black
- PVC jacket

Part No.	●Mfr.	Product No.	Fig.	Length	AWG	Type	Nom. Imp (Ω)	Insul.	Bare Copper	Braid Shield	Pricing 1	Pricing 5
2124146	JVP	4449-100ℛ	1	100' Reel	19 Stranded	RG58A/U	50	A	0.036"	95	**$34.95**	**$32.95**
644754	JVP	RG58/U-100	2	100' Reel	20 Solid	RG58/U	50	A	0.015"	38	**19.95**	**18.95**
234158	BDN	543945 010100	3	100' Reel	20 Solid	RG59/U	75	C	0.145"	95	**18.95**	**17.95**
734161	BDN	543945 010500ℛ	3	500' Reel	20 Solid	RG59/U	75	C	0.145"	95	**89.95**	**84.95**
234086	BDN	1505A 010100	4	100' Reel	20 Solid	RG59/U	75	B	0.032"	98[1]	**29.95**	**28.49**
232961	BDN	8281 010100	5	100' Reel	20 Solid	RG59/U	75	A	0.031"	98	**69.95**	**64.95**
644797	JVP	RG59/U-100	2	100' Reel	22 Solid	RG59/U	75	A	0.005"	31	**10.95**	**9.95**
644800	JVP	RG59/U-1000	2	1000' Reel	22 Solid	RG59/U	75	A	0.005"	31	**74.95**	**69.95**
232653	BDN	9259 010100ℛ	4	100' Reel	22 Stranded	RG59/U	75	A	0.030"	95	**39.95**	**34.95**
644818	JVP	RG174/U-100	1	100' Reel	26 Stranded	RG174/U	50	A	0.020"	98	**21.95**	**19.95**
644826	JVP	RG174/U-1000	1	1000' Reel	26 Stranded	RG174/U	50	A	0.020"	98	**179.95**	**169.95**

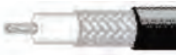
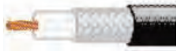


Fig. 1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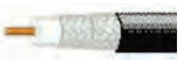
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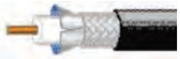
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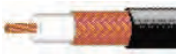


Fig. 5

A = Polyethylene
B = Gas Injected Foam HDPE
C = Polyolefin
1 = With DuoFoil® Shield

Multi-Conductor Cable

JAMECO ValuePro

★Web Code: MCC

Part No.	Mfr.	Product No.	Fig.	AWG (stranded)	# of Cond.	Length	Jacket	Wire Color	Insul.	Nom. O.D.	Pricing 1	Pricing 5
732996	BDN	8442 060100ℛ	1	22[1]	2	100' Reel	Chrome/PVC	Black, Red	A	0.170"	**$38.95**	**$34.95**
733008	BDN	8442 060500ℛ	1	22[1]	2	500' Reel	Chrome/PVC	Black, Red	A	0.170"	**139.95**	**129.95**
734054	BDN	8442 060U1000ℛ	1	22[1]	2	1000' Unreel	Chrome/PVC	Black, Red	A	0.170"	**274.95**	**249.95**
733024	BDN	8443 060100ℛ	2	22[1]	3	100' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	**44.95**	**39.95**
733032	BDN	8443 060500ℛ	2	22[1]	3	500' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	**209.95**	**199.95**
733059	BDN	8444 060100ℛ	3	22[1]	4	100' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	**53.95**	**49.95**
733067	BDN	8444 060500ℛ	3	22[1]	4	500' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	**249.95**	**229.95**
2119494	JVP	5411-100ℛ	4	22[1]	5	100' Reel	Gray/PVC	Blk, Red, Wh, Grn, Brn	A	0.190"	**44.95**	**42.95**
733083	BDN	8445 060100ℛ	4	22[1]	5	100' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	**69.95**	**64.95**
733104	BDN	8445 0601000ℛ	4	22[1]	5	1000' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	**639.95**	**599.95**
2119558	JVP	5578-100ℛ	5	18/20 drain wire[3]	3	100' Reel	Chrome/PVC	Black, Red, White	B	0.230"	**49.95**	**44.95**
733201	BDN	8770 060100ℛ	5	18/20 drain wire[2]	3	100' Reel	Chrome/PVC	Black, Red, Clear	B	0.246"	**84.95**	**79.95**
2119531	JVP	5576-100ℛ	5	22/22 drain wire[2]	3	100' Reel	Gray/PVC	Black, Red, White	B	0.190"	**29.95**	**28.49**
644383	JVP	SC4-25ℛ	6	24 drain wire[3]	4	25' Reel	Gray/PVC	Multi-Colored	A	0.200"	**6.95**	**6.49**
644391	JVP	SC4-100ℛ	6	24 drain wire[3]	4	100' Reel	Gray/PVC	Multi-Colored	A	0.200"	**25.95**	**23.49**
644404	JVP	SC4-1000ℛ	6	24 drain wire[3]	4	1000' Reel	Gray/PVC	Multi-Colored	A	0.200"	**214.95**	**193.49**
644412	JVP	SC-925ℛ	6	24 drain wire[3]	9	25' Unreel	Gray/PVC	Multi-Colored	A	0.230"	**15.95**	**14.35**
644421	JVP	SC9-100ℛ	6	24 drain wire[3]	9	100' Reel	Gray/PVC	Multi-Colored	A	0.230"	**44.95**	**39.95**
644439	JVP	SC9-1000ℛ	6	24 drain wire[3]	9	1000' Reel	Gray/PVC	Multi-Colored	A	0.230"	**349.95**	**329.95**
644447	JVP	SC15-25ℛ	6	24 drain wire[3]	15	25' Unreel	Gray/PVC	Multi-Colored	A	0.280"	**24.95**	**22.95**
644455	JVP	SC15-100ℛ	6	24 drain wire[3]	15	100' Reel	Gray/PVC	Multi-Colored	A	0.280"	**53.95**	**48.95**
644463	JVP	SC15-1000ℛ	6	24 drain wire[3]	15	1000' Reel	Gray/PVC	Multi-Colored	A	0.280"	**399.95**	**379.95**
644471	JVP	SC25-25ℛ	6	24 drain wire[3]	25	25' Unreel	Gray/PVC	Multi-Colored	A	0.370"	**29.95**	**26.95**
644480	JVP	SC25-100ℛ	6	24 drain wire[3]	25	100' Reel	Gray/PVC	Multi-Colored	A	0.370"	**94.95**	**89.95**
2006377	JVP	SC25-500ℛ	6	24 drain wire[3]	25	500' Unreel	Gray/PVC	Multi-Colored	A	0.370"	**429.95**	**399.95**

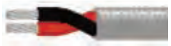


Fig. 1

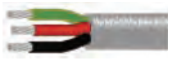
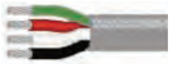


Fig. 2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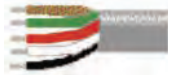
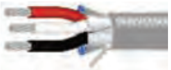


Fig. 4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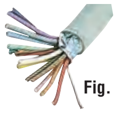


Fig. 6

1 = Unshielded
2 = Overall Beldfoil Shield
3 = 100 Aluminum Mylar Shield
A = PVC B = Polyethylene
Blk = Black Brn = Brown
Grn = Green Wh = White

Conductive Sewing Thread

JAMECO ValuePro

Make conductive paths in garments and textiles and commonly used with the Arduino Lilypad. (P/N 2144471, pg 175)

- 1 oz hobby cone (approx. 225')
- Linear resistance: 15Ω per foot
- Thread size: 92
- Silver plated
- Nominal diameter: 0.2mm
- Nominal denier: 828
- 234/34 (4 Ply)

NEW MARKED IN PINK

Create Electronics You Can Wear!

Part No.	Mfr. Part No.	Description	1	5
2144489	260151023534OZ	Conductive sewing thread	**$29.95**	**$28.49**

BEST SELLING CPC CONNECTORS

A rugged, reliable connector system suitable for a wide range of applications such as industrial machinery, factory automation and material handling equipment. UL 94V-0 rated.

★Web Code: WBK

Part No.	Mfr. Part No.	Size/Pos	Gender	1	10
495082	206060-1ℛ	11-4	Standard	**$3.25**	**$2.95**
495162	206061-1ℛ	11-4	Standard	**2.49**	**2.25**
495031	206044-1ℛ	17-14	Reverse	**3.75**	**3.49**
495146	206043-1ℛ	17-14	Reverse	**2.75**	**2.49**

● BDN = Belden | JVP = Jameco ValuePro

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Paired & Flat Ribbon Cable

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Paired Cable

★Web Code: HCS

Part No.	Product No.	Fig.	AWG/Drain Wire	# of Pairs	Length	Jacket	Wire Color	Insul.	Pricing 1	Pricing 5
233146	8719 060100	1	16 / 18	1	100' Reel	Chrome/PVC	Black/Clear	B	**$109.95**	**$104.49**
2119515	5574-100ℛ *	1	18 / 24	1	100' Reel	Chrome/PVC	Black/White	B	**41.95**	**37.95**
733112	8451 010100ℛ	2	22 / 22	1	100' Reel	Black/PVC	Black/Red	A	**26.95**	**24.95**
734063	8451 010U500ℛ	2	22 / 22	1	500' Unreel	Black/PVC	Black/Red	A	**129.95**	**115.95**
734180	8723 060100ℛ	3	22 / 24	2	100' Reel	Chrome/PVC	Black/Red, Green/White	A	**49.95**	**46.95**
734184	8723 060U500ℛ	3	22 / 24	2	500' Unreel	Chrome/PVC	Black/Red, Green/White	A	**229.95**	**209.95**
734181	8723 0601000ℛ	3	22 / 24	2	1000' Reel	Chrome/PVC	Black/Red, Green/White	A	**449.95**	**419.95**
734179	1419A 060100ℛ	4	24 / 24	2	100' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	C	**49.95**	**44.95**
734085	1419A 0601000ℛ	4	24 / 24	2	1000' Reel	Chrome/PVC	Wh/Blue Str, Blue/Wh Str, Wh/Org Str, Org/Wh Str	C	**449.95**	**429.95**

*Manufacturer: ValuePro

Fig. 1

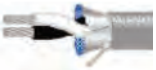


Fig. 2

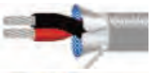


Fig. 3

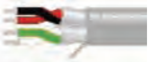
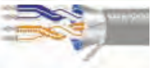


Fig. 4



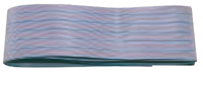
A = Polypropylene
B = Polyethylene
C = Datalene
Wh = White
Org = Orange
Str = Stripe

Flat Ribbon Cable

Gray Cable – 28AWG (7 x 36)

★Web Code: WBX

- Insulation: polyvinyl chloride (PVC)
- Single edge red stripe for pin 1 orientation
- Center spacing: 0.05"



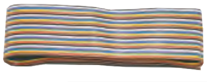
Part No.	Cross Ref. No.	Conductors	Length	1	5	25
643794	171-10-10ℛ	10	10'	**$3.49**	**$3.19**	**$2.89**
643807	171-10-25ℛ	10	25'	**6.49**	**5.95**	**5.49**
643815	171-10-100ℛ	10	100' reel	**19.95**	**18.95**	**17.95**
643831	171-16-10ℛ	16	10'	**3.95**	**3.59**	**3.29**
643840	171-16-25ℛ	16	25'	**9.95**	**8.95**	**7.95**
643858	171-16-100ℛ	16	100' reel	**32.95**	**30.95**	**28.95**
643874	171-20-10ℛ	20	10'	**4.49**	**3.95**	**3.49**
643891	171-20-100ℛ	20	100' reel	**42.95**	**38.49**	**36.95**
643911	171-25-10ℛ	25	10'	**4.95**	**4.49**	**3.95**
643938	171-25-100ℛ	25	100' reel	**47.95**	**44.95**	**42.95**
643962	171-26-10ℛ	26	10'	**5.95**	**5.49**	**4.95**
643971	171-26-25ℛ	26	25'	**11.95**	**10.95**	**9.95**
643989	171-26-100ℛ	26	100' reel	**49.95**	**47.95**	**44.95**
644033	171-34-10ℛ	34	10'	**6.95**	**6.49**	**5.95**
644041	171-34-25	34	25'	**12.95**	**11.95**	**10.95**
644050	171-34-100ℛ	34	100' reel	**62.95**	**59.95**	**56.95**
644076	171-37-10ℛ	37	10'	**6.49**	**5.95**	**5.49**
644084	171-37-25ℛ	37	25'	**9.95**	**8.95**	**7.95**
644092	171-37-100ℛ	37	100 reel	**68.95**	**65.95**	**62.95**
644121	171-40-25ℛ	40	25'	**17.49**	**16.59**	**15.95**
644130	171-40-100ℛ	40	100' reel	**74.95**	**70.95**	**67.49**
644156	171-50-10ℛ	50	10'	**9.95**	**8.95**	**7.95**
644164	171-50-25ℛ	50	25'	**25.95**	**24.95**	**23.95**
644172	171-50-100ℛ	50	100' reel	**84.95**	**82.95**	**78.95**
689426	9L28050008H100ℛ*	50	100' reel	**99.95**	—	—
644199	171-60-10ℛ	60	10'	**6.95**	**6.59**	**6.29**
644201	171-60-25ℛ	60	25'	**16.95**	**15.95**	**14.95**
644210	171-60-100ℛ	60	100' reel	**67.95**	**64.49**	**60.95**

*Belden: -40°C to +105°C

Multicolor Cable – 28AWG (7 x 36)

JAMECO EXCLUSIVE

- Standard 10-color repeat sequence
- Voltage rating: 300V
- Stranded copper wire
- Center spacing: 0.05"
- Temperature rating: -20°C to +80°C



★Web Code: WCF

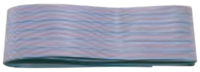
Part No.	Cross Ref. No.	Conductors	Length	1	5	25
639672	28RC10-10ℛ	10	10'	**$4.49**	**$3.95**	**$3.75**
643508	28RC10-25ℛ	10	25'	**10.95**	**9.95**	**8.95**
643516	28RC10-100ℛ	10	100' reel	**35.95**	**33.95**	**31.95**
643532	28RC16-10ℛ	16	10'	**6.49**	**5.95**	**5.49**
643541	28RC16-25ℛ	16	25'	**14.95**	**13.95**	**12.95**
643559	28RC16-100ℛ	16	100' reel	**56.95**	**52.95**	**48.95**
643575	28RC20-10ℛ	20	10'	**7.95**	**7.49**	**6.95**
643583	28RC20-25ℛ	20	25'	**18.95**	**16.95**	**15.49**
643591	28RC20-100ℛ	20	100' reel	**69.95**	**64.95**	**59.95**
643612	28RC25-10ℛ	25	10'	**8.95**	**7.95**	**6.95**
643621	28RC25-25ℛ	25	25'	**24.95**	**22.95**	**20.95**
643639	28RC25-100ℛ	25	100' reel	**79.95**	**74.95**	**72.95**
643655	28RC34-10ℛ	34	10'	**10.95**	**9.95**	**8.95**
643671	28RC34-100ℛ	34	100' reel	**79.95**	**69.95**	**65.95**
643698	28RC40-10ℛ	40	10'	**12.95**	**11.95**	**10.95**
643701	28RC40-25ℛ	40	25'	**32.95**	**30.95**	**28.95**
643719	28RC40-100ℛ	40	100' reel	**129.95**	**124.95**	**119.95**
643735	28RC50-10ℛ	50	10'	**19.95**	**17.95**	**15.95**
643743	28RC50-25ℛ	50	25'	**44.95**	**39.95**	**36.95**
643751	28RC50-100ℛ	50	100' reel	**149.95**	**139.95**	**129.95**

10-Conductor Flat Ribbon Cable – Gray

.100" (2.54mm) — 24AWG

★Web Code: WBX

- Capacitance: 31pF/m
- Insulation resis.: 100MΩ
- Temp. rating: 105°C
- 10' roll
- Insulation material: 7mm polyvinyl chloride (PVC) gray



Part No.	Mfr.	Cross Ref.	Conductor	Length	1	5	25
363813	ValuePro	H24G-10-10	10	10'	**$9.95**	**$8.95**	**$7.95**

Speaker Cable

★Web Code: JCS

Part No.	Product No.	Length	AWG	Color	1	5
2140293	5145-100ℛ *	100' Reel	14 Stranded	Clear	**$44.95**	**$42.95**
232629	9718 368100	100' Reel	12 Stranded	Clear	**54.95**	**49.95**
732646	9718 3681000ℛ	1000' Reel	12 Stranded	Clear	**499.95**	**489.95**

*Manufacturer: ValuePro

More IDC Ribbon Cable Connectors on page 66

2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

JAMECO EXCLUSIVE

★Web Code: VAL

Part No.	Product No.	Length	1	5	10
100280	CAR45B-100ℛ	100'	**$7.95**	**$7.49**	**$6.95**
100299	CAR45B-1Kℛ	1000'	**59.95**	**54.95**	**49.95**

.100" (2.54MM) IDC SOCKET CONNECTORS

See page 65 for details.

★Web Code: QAE

Part No.	Cross Ref. No.	Contacts	1	10	100
32492	8000-10ℛ	10	**$.35**	**$.29**	**$.25**
119467	8000-16ℛ	16	**.45**	**.39**	**.35**
32522	8000-20ℛ	20	**.49**	**.45**	**.39**
32679	8000-40ℛ	40	**.65**	**.59**	**.55**

.100" (2.54MM) LOW PROFILE MALE HEADERS

See page 65 for details.

Part No.	Cross Ref. No.	Contacts	1	10	100
67812	7110-10SGℛ	10	**$.59**	**$.49**	**$.39**
68180	7110-16SGℛ	16	**.65**	**.55**	**.45**
68292	7110-20SGℛ	20	**.65**	**.55**	**.45**
181105	7110-40SGℛ	40	**1.45**	**1.19**	**.99**

★Web Code: JAH

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Network Cables, Modular Cables & Plugs

JAMECO ValuePro

Category 5e Network Cable

Blue

Red

Gray

★Web Code: KCG

24 AWG UTP Category 5e Enhanced - 350MHz (Non-Plenum)

Part No.	●Mfr.	Product No.	Length	Color	Description	1	5
645722	JVP	10X5-704TH-100VP	100'	Blue	Solid	$15.95	$14.49
645731	JVP	10X5-704TH-1000VPℛ	1000'	Blue	Solid	129.95	119.95

24 AWG UTP Category 5e Enhanced - 350MHz (Non-Plenum) *(Cont.)*

Part No.	●Mfr.	Product No.	Length	Color	Description	1	5
644551	JVP	10X5-701TH-100ℛ	100'	Gray	Solid	$15.95	$14.49
644560	JVP	10X5-701TH-1000ℛ	1000'	Gray	Solid	119.95	109.95
644607	JVP	10X5-804TH-25	25'	Blue	Stranded	5.95	5.49
644615	JVP	10X5-804TH-100	100'	Blue	Stranded	15.95	14.49
644623	JVP	10X5-804TH-1000ℛ	1000'	Blue	Stranded ...	139.95	129.95
645781	JVP	10X5-802TH-100	100'	Black	Stranded	16.95	14.95
645790	JVP	10X5-802TH-1000ℛ	1000'	Black	Stranded ...	129.95	116.95
644586	JVP	10X5-801TH-100	100'	Gray	Stranded	15.95	14.49
644594	JVP	10X5-801TH-1000ℛ	1000'	Gray	Stranded ...	139.95	129.95

JAMECO ValuePro

Network Cable

Category 5e

- 8P8C
- 4 pair
- UTP
- 350 MHz
- "Snagless" boot
- 24 AWG (7 x 43) stranded
- T568B color coded for easy wire tracing

Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	$1.55	$1.39	$1.25
168305	7 ft. ℛ	Gray	2.65	2.39	2.19
168313	15 ft.	Gray	3.95	3.55	2.95
201777	3 ft. ℛ	Red	1.55	1.39	1.25
201785	7 ft.	Red	2.25	1.95	1.75
201806	25 ft. ℛ	Red	6.49	5.95	5.49
201697	3 ft. ℛ	Black	1.55	1.39	1.25
201700	7 ft. ℛ	Black	2.25	1.95	1.75
201718	15 ft.	Black	3.95	3.55	2.95
201726	25 ft. ℛ	Black	6.49	5.95	5.49
201734	3 ft.	Blue	1.55	1.39	1.25
1945381	5 ft. ℛ	Blue	1.95	1.75	1.65
2138708	7 ft. ℛ	Blue	$1.85	$1.59	$1.35
201742	7 ft. ℛ	Blue	2.25	1.95	1.75
1945401	10 ft. ℛ	Blue	3.09	2.79	2.49
201751	15 ft.	Blue	3.95	3.55	2.95
201769	25 ft. ℛ	Blue	6.49	5.95	5.49
201814	3 ft. ℛ	Yellow	1.55	1.39	1.25
1945372	5 ft.	Yellow	1.95	1.75	1.65
201822	7 ft.	Yellow	2.25	1.95	1.75
1945399	10 ft.	Yellow	3.49	3.15	2.75
201849	25 ft. ℛ	Yellow	5.95	5.49	4.95

Category 6

- Gold over nickel contacts
- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

Part No.	Length	Color	1	10	100
2115581	1 ft. ℛ	Gray	$1.95	$1.75	$1.49
219707	3 ft. ℛ	Gray	2.25	1.95	1.75
219715	7 ft. ℛ	Gray	2.95	2.65	2.39
219731	25 ft. ℛ	Gray	7.95	7.49	6.95
219740	50 ft. ℛ	Gray	12.95	11.95	10.95
219854	3 ft. ℛ	Blue	2.25	1.95	1.75
219871	14 ft. ℛ	Blue	$6.25	$5.49	$4.95
219889	25 ft. ℛ	Blue	7.95	7.49	6.95
219918	7 ft. ℛ	Red	3.25	2.95	2.49
219934	25 ft. ℛ	Red	7.49	6.95	6.49
219791	50 ft. ℛ	Black	10.95	9.95	9.49
219969	7 ft. ℛ	Yellow	2.95	2.65	2.49

*Manufacturer: Belkin

Cat 5e/6 Network Crossover Cable

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair
- 8P8C
- UTP

Category 5e – 350MHz

★Web Code: CAE

Part No.	●Mfr.	Length	Color	1	10	100
302041	JVP	7 ft.	Gray ...	$3.75	$3.35	$2.95
169261	JVP	10 ft.ℛ	Gray	6.49	5.95	5.49
203781	JVP	12 ft.	Black	6.95	6.49	5.95

Category 6 – 550MHz

★Web Code: BBK

Part No.	●Mfr.	Length	Color	1	10	100
681096	JVP	7 ft.	Gray ...	$3.75	$3.49	$2.95

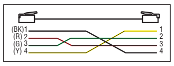
JAMECO ValuePro

Modular Telephone/Printer Sharing Cable (Gray)

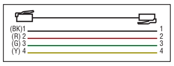
- RJ12 – 4P4C for telephone
- RJ11 – 6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

★Web Code: EBF

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



Part No.	Conn. Style	Type	Length	Pricing 1	10	100
2125851	1ℛ	RJ12-4P4C	6ft.	$1.35	$1.19	$.99
196227	1ℛ	RJ11-6P4C	7ft.	1.75	1.59	1.39
115554	2ℛ	RJ11-6P4C	7ft.	1.75	1.59	1.39
115588	1	RJ11-6P6C	7ft.	1.49	1.35	1.19
115617	2	RJ11-6P6C	7ft.	1.95	1.75	1.59
115677	2ℛ	RJ45-8P8C	7ft.	1.95	1.75	1.59
115545	1	RJ11-6P4C	25ft.	2.95	2.65	2.35
201232	2	RJ11-6P4C†	35ft.	1.95	1.49	.99

†Beige

JAMECO ValuePro

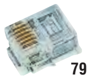
Modular Plugs

★Web Code: FBB

P = No. of positions
C = No. of contacts

103491

79290


79273

79281

119343

116611

✳ Order in multiples of 10

Part No.	●Mfr.	Description	Size (L" x W" x H")	1	10	100	1000
103491	JVP	4P4C (RJ14) handset	.49 x .30 x .26	✳	$.13	$.12	$.09
79290	JVP	6P4C (RJ11)	.49 x .38 x .26	✳	.15	.13	.10
79273	JVP	6P6C (RJ11)	.49 x .38 x .26	.29	.25	.22	.19
79281	JVP	8P8C (RJ45) (for stranded wire)	.85 x .46 x .31	.45	.39	.35	.29
119343	JVP	8P8C (RJ45) unshielded (for solid wire)	.85 x .46 x .31	.45	.39	.35	.29
524411	AMP	8P8C, unshielded (for flat oval solid wire)ℛ	.85 x .46 x .31	.65	.59	.55	.49
524533	AMP	8P8C (RJ45) unshielded (for round solid wire)ℛ	.84 x .46 x .31	.69	.65	.59	.55
524525	AMP	8P8C (RJ45) unshielded (for round stranded wire)ℛ	.84 x .46 x .31	.75	.69	.65	.59
116611	JVP	8P8C (RJ45) shieldedℛ	.87 x .46 x .33	1.09	.99	.89	.79
116602	JVP	8P8C (RJ45) shielded (for solid wire)ℛ	.85 x .46 x .31	.99	.89	.79	.69
180646	JVP	10P10C (RJ50) for stranded wire	.85 x .46 x .31	.49	.45	.39	.35

MODULAR/NETWORK CABLE TESTER

- Test pin configuration of 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA-568A/568B and token ring cable, auto manual scan

Part No.	Mfr. Part No.	Price
145710	TCT-141	$59.95

● AMP = AMP/TYCO | JVP = Jameco ValuePro

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Modular Jacks, Adapters & Accessories

4 LEVELS OF SAVINGS

NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

Modular Jacks

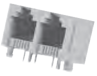
★ Web Code: NEL

115128

2121560

151766

115837


204178

124039

115844

2078240

524461

1537416

524488

✳ Order in multiples of 10

Part No.	●Mfr.	Description	Panel Mount	Size (L" x W" x H")	1	10	100	1000
115128	JVP	4P4C (RJ14) handset side entry, center latchℛ	No	.51 x .40 x .57	**$.45**	**$.39**	**$.35**	**$.29**
2121560	JVP	4P4C (RJ14) side entry, center latch, right angle PCB	No	.72 x .57 x .41	**.49**	**.45**	**.39**	**.35**
199620	JVP	4P4C (RJ14) handset side entry, center latch	Yes	.51 x .55 x .57	**.29**	**.25**	**.22**	**.19**
105945	JVP	6P4C (RJ11) side entry, center latch, top flange	Yes	.48 x .48 x .71	✳	**.17**	**.15**	**.13**
2077781	JVP	6P4C (RJ11) side entry, center latch	No	.72 x .51 x .45	**.39**	**.35**	**.29**	**.25**
151766	JVP	6P4C (RJ11) side entry, center latchℛ	Yes	.80 x .52 x .59	**.65**	**.59**	**.55**	**.49**
524277	AMP	6P6C (RJ11) top entry, center latch, flangeless	No	.53 x .64 x .63	**.79**	**.69**	**.59**	**.55**
115837	JVP	6P6C (RJ11) side entry, center latchℛ	Yes	.51 x .48 x .57	**.85**	**.75**	**.65**	**.59**
204178	JVP	6P6C (RJ11) dual entry, center latchℛ	Yes	.62 x 1.1 x .60	**1.35**	**1.19**	**.99**	**.89**
124039	JVP	6P6C (RJ11) top entry, 6" leads, panel mountℛ	Yes	.54 x .59 x .72	**1.25**	**1.09**	**.99**	**.89**
800315	MOL	6P6C (RJ11) side entry, center latch, unshielded, 4 gangsℛ	No	.92 x .85 x .52	**2.39**	**2.15**	**1.95**	**1.75**
852449	AMP	6P6C (RJ25) side entry, center latch, SMT, low profile	Yes	.72 x .63 x .50	**.99**	**.89**	**.79**	**.69**
2144770	AMP	8P8C (RJ45) side entry, center latch, shieled, 4 gang	No	2.33 x .84 x .55	**3.95**	**2.95**	**2.49**	**1.75**
889129	AMP	6P6C (RJ25) top entry, center latch SMTℛ	No	.55 x .53 x .50	**.99**	**.95**	**.89**	**.79**
115844	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.56 x .66 x .58	**.89**	**.85**	**.79**	**.75**
2078240	JVP	8P8C (RJ45) side entry, center latch	Yes	.81 x .60 x .59	**.59**	**.49**	**.45**	**.39**
203449	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.84 x .63 x .53	**.99**	**.89**	**.79**	**.69**
2078258	JVP	8P8C (RJ45) side entry, center latch, low profile	No	.71 x .60 x .46	**.45**	**.39**	**.35**	**.29**
524461	AMP	8P8C (RJ45) side entry, front latch, low profile	No	.72 x .61 x .50	**.79**	**.75**	**.69**	**.65**
1537416	KYC	8P8C (RJ45) side entry, front latch, low profile	Yes	.72 x .60 x .50	**.59**	**.49**	**.39**	**.29**
524488	AMP	8P8C (RJ45) top entry, top latch	No	.66 x .62 x .63	**.65**	**.59**	**.55**	**.49**
2144702	AMP	8P8C (RJ45) side entry, top latch w/ orange/yellow LED	No	.59 x .64 x .45	**.95**	**.85**	**.75**	**.65**
2077790	JVP	8P8C (RJ45) top entry, bottom latch	Yes	.64 x .61 x .62	**.49**	**.45**	**.39**	**.35**

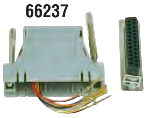
RS-232-to-RJ11/RJ45 Modular Jack Adapters

Simplify networking applications when changing your RS-232 port to an RJ11 or RJ45 modular jack. Comes with all necessary hardware and wiring.

★ Web Code: RDR

66181

66237



Part No.	●Mfr.	Description	1	10	100
66181	JVP	DB9 M to RJ11 (6P6C)	**$2.49**	**$2.25**	**$1.95**
66191	JVP	DB9 M to RJ45 (8P8C)ℛ	**2.75**	**2.49**	**2.25**
614977	GCE	DB9 M to RJ45 (8P8C)	**2.75**	**2.49**	**2.25**
614985	GCE	DB9 F to RJ11 (4P4C)	**1.95**	**1.75**	**1.59**
114738	JVP	DB9 F to RJ11 (6P4C)ℛ	**2.35**	**2.09**	**1.89**
66203	JVP	DB9 F to RJ11 (6P6C)ℛ	**2.75**	**2.49**	**2.25**

Part No.	●Mfr.	Description	1	10	100
66212	JVP	DB9 F to RJ45 (8P8C)ℛ	**$2.75**	**$2.49**	**$2.25**
615005	GCE	DB9 F to RJ45 (8P8C)	**2.95**	**2.65**	**2.39**
2099681	JVP	DB15 F to RJ-11 (6P6C)	**1.95**	**1.75**	**1.55**
66229	JVP	DB25 M to RJ11 (6P6C)	**2.75**	**2.49**	**2.25**
66237	JVP	DB25 M to RJ45 (8P8C)	**1.85**	**1.69**	**1.49**
66254	JVP	DB25 F to RJ45 (8P8C)ℛ	**1.85**	**1.69**	**1.49**

Modular Jack Boxes

Fig. 1

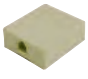

W: 2.0"
H: 2.2"
D: 0.9"

Fig. 2

W: 1.5"
H: 2.4"
D: 1.1"

Fig. 3

W: 2.4"
H: 2.4"
D: 1.1"

★ Web Code: UAM

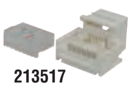
Part No.	Description	Fig.	Pricing 1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	**$.99**	**$.85**	**$.69**
71984	6P6C adhesive jack RJ11 (beige)	1	**1.19**	**1.05**	**.89**
71651	8P8C adhesive jack RJ45 (beige)	1	**1.29**	**1.15**	**.99**
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e)ℛ	2	**2.65**	**2.39**	**2.15**
213049	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	**3.95**	**3.75**	**3.49**

Keystone-Type RJ11 & RJ45 Jacks

Modular Punchdown Type

- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 1.23"D x 0.63"H

★ Web Code: MBV


213517

212944

Part No.	Description	Color	1	10	100
213517	6P6C (RJ11)ℛ	White	**$2.25**	**$1.95**	**$1.75**
212951	8P8C (RJ45)	Blue	**2.25**	**1.95**	**1.75**
212944	8P8C (RJ45)ℛ	White	**2.95**	**2.65**	**2.39**

POWER OVER ETHERNET KIT

- Includes PoE injector, splitter and AC cord
- 12V @ 1A
- 2:1mm DC plug

P/N 2134424 $64.95

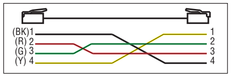
Modular Couplers

★ Web Code: XAH

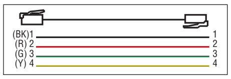
Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"

Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

Style 1 Reverse wiring for telephone systems



Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	Pricing 1	10	100
71757	6P6C modular coupler, **Style 1**, RJ11	1	**$.75**	**$.65**	**$.55**
135087	6P6C modular coupler, **Style 2**, RJ11	1	**1.09**	**.99**	**.89**
135079	8P8C modular coupler, **Style 2**, RJ45	1	**1.39**	**1.25**	**1.15**
153023	8P8C modular coupler, **Style 2** (for CAT 5) RJ45	2	**7.95**	**7.15**	**6.45**

8P8C In-Line Coupler

- Panel mount thickness: 0.062" nominal
- Housing: black polyphenylene oxide
- Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel
- Snaps into 0.595" x 0.765" rectangular wall plate cut-outs

Part No.	Mfr. Part No.	1	10	100
524445	555052-1ℛ	**$4.95**	**$4.49**	**$4.25**

RJ45-Plug Color Caps (Boots)

204410

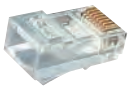
- Round strain relief
- **Order in multiples of 10**

★ Web Code: JBG

Part No.	Color	10	100	500	1000
204410	Blackℛ	**$.17**	**$.15**	**$.12**	**$.10**
204353	Gray	**.17**	**.15**	**.12**	**.10**
204362	Blueℛ	**.19**	**.17**	**.15**	**.12**

EZ-RJ45 Category 5 & 6 Modular Plugs

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.



★ Web Code: FBB

Part No.	Mfr. Part No.	Description	1	10	100
158115	300568EZℛ	8P8C, CAT5	**$1.75**	**$1.59**	**$1.45**
2099278	300668EZℛ	8P8C, CAT6 ..	**1.85**	**1.65**	**1.49**

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles
- Size: 8.2"L
- Weight: 1.2 lbs.

Part No.	Mfr. Part No.	1	10	25
181148	HT200ℛ	**$54.95**	**$49.49**	**$44.55**

For more Hand Tools, see pages 142-146

● AMP = AMP | GCE = GC Electronics | JVP = Jameco ValuePro | KYC = Kycon | MOL = Molex

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

3" to 13" Nylon Cable Ties

JAMECO ValuePro

Standard

70561

★Web Code: QAV

- Cable ties made from UL approved Nylon 66
- Temp. range: -40°C to +85°C
- Color: natural
- Flammability rating: UL 94V-2

Order in multiples of 100

Part No.	Size (L" x W")	Tensile Strength	100	1000
70561	3.0 x 0.10ℛ	18 lbs.	**$.03**	**$.02**
126544	4.0 x 0.10ℛ	18 lbs.	**.04**	**.03**
182677	4.75 x 0.13ℛ	18 lbs.	**.05**	**.04**
182651	5.5 x 0.13ℛ	18 lbs.	**.11**	**.10**
139150	8.0 x 0.10	18 lbs.	**.04**	**.03**
182669	8.0 x 0.13ℛ	18 lbs.	**.05**	**.04**
182685	8.0 x 0.18ℛ	18 lbs.	**.05**	**.04**
70907	6.0 x 0.10ℛ	40 lbs.	**.08**	**.06**
190756	10.0 x 0.14	40 lbs.	**.08**	**.06**
190772	11.0 x 0.19	40 lbs.	**.09**	**.07**
190764	13.0 x 0.14	40 lbs.	**.10**	**.08**

Weather Resistant (black)

104142

UV Resistant

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- UL94V-2

Order in multiples of 100

Part No.	Size (L" x W")	Tensile Strength	100	1000
139125	3.0 x 0.10	18 lbs.	**$.04**	**$.03**
104142	4.0 x 0.10ℛ	18 lbs.	**.05**	**.03**
104134	6.0 x 0.10ℛ	40 lbs.	**.08**	**.05**
190782	8.0 x 0.13ℛ	40 lbs.	**.11**	**.08**
190800	10.0 x 0.14ℛ	40 lbs.	**.18**	**.13**
190802	13.0 x 0.14ℛ	40 lbs.	**.19**	**.17**

Cable Tie Assortment Kits

- Tensile strength: 18-50 lbs.
- UL94V2

145701

145701: 4"L x 0.1"W

150412: 500 pcs. (4"L x 0.1"W); 300 pcs. (8"L x 0.13"W); 50 pcs. (11"L x 0.18"W)

Part No.	# of Pieces	# of Colors	1	5	25
145701	1000	10	**$9.95**	**$8.95**	**$7.95**
150412	850	5	**16.95**	**16.25**	**15.49**

Universal Cable Tie Tool

JAMECO BenchPro

- 0.1" – 0.19" width cable ties
- Tension adjustable
- Spring return action
- Metal

Part No.	Product No.	1	5	10
182298	0302TG-7ℛ	**$19.95**	**$18.49**	**$16.95**

Nylon Cable ID Marker

JAMECO ValuePro

- Nylon cable tie ID marker (white)
- **Order in multiples of 10**

Part No.	Size (L" x W" x T")	10	100
135175	2.0 x 0.75 x .02	**$.15**	**$.12**

3M Wire Marker Tape Dispensers

Dispenser with ten refillable compartments for marking wire with numbered or colored tape.

- Self-adhesive tapes
- Size: (tape) 96"L x 0.25"W

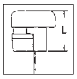
159231: 1 roll each numbered 0 to 9

2099657: 1 roll each black, blue, brown, green, gray, orange, red, violet, white and yellow

Part No.	Mfr. Part No.	1	10
159231	STD-0-9	**$42.95**	**$38.95**
2099657	STD-C	**29.95**	**26.95**

Round-Type Strain Relief Bushings

- UL approved nylon 66, 94V-2
- Used extensively for protecting cords and to prolong cord life
- ***Order in multiples of 10***



182369

Part No.	Cable Type	Length (in.)	10	100	1000
182351	SVI/SVT	.43	**$.14**	**$.12**	**$.10**
182369	SJ/SJT; 16 AWG	.58	**.14**	**.12**	**.10**

NAIL-IN CABLE CLIP

P/N 190836

- Perfect for telephone cords
- Impact resistant PE
- With nails inserted

100 pcs. only 99¢

17" Self-Grip/Wrap Velcro Straps

- Wrap around anything and sticks to itself for fast, easy bundling
- Bundle cords, cables, wires, pipes, tubing and trees (landscaping)
- Grip on one side, loop on back
- Eliminates plastic tie wraps and hardware
- Reusable
- Size: 17"L x 1/2"W (cut to your length)
- Color: black
- **12 pieces in pack**

JAMECO ValuePro

Part No.	Mfr. Part No.	1	10	20
2125325	Self-grip/wrap velcro	**$6.95**	**$6.25**	**$5.59**

ELECTRICAL TAPE

More Tape products, see page 152.

Cable Tie Mounts & Cable Clamps

★Web Code: FBE

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2

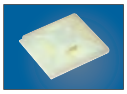


Fig. 1

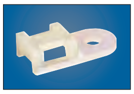


Fig. 2

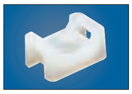


Fig. 3

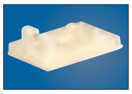


Fig. 4

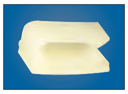


Fig. 5

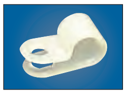


Fig. 6

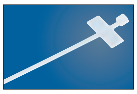


Fig. 7

Order in multiples of 10

Part No.	Cross Ref. No.	Fig.	Description	10	100	1000
182942	0505HC-101Sℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.18"W max. ties, .75"sq.	**$.15**	**$.13**	**$.12**
171214	HC-100ℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.5" square	**.16**	**.14**	**.13**
71408	HC-101ℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.9" square	**.19**	**.17**	**.15**
71395	HC-102ℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square	**.25**	**.23**	**.19**
71386	HC-103	1	4-way cable tie mount, self-adhesive, use w/ 0.4"W max., 1.1" square	**.33**	**.29**	**.27**
70595	HC-0ℛ	2	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	**.19**	**.17**	**.15**
182301	0510HC-2ℛ	3	Cable tie mount, saddle type, 0.14" screw hole, 0.9"L x 0.6"W, use w/ 0.35"W max. ties	**.17**	**.15**	**.14**
173761	HC-1	3	Cable tie mount, saddle type, 0.14" screw hole, 0.6"L x 0.4"W, use w/ 0.2"W max. ties	**.12**	**.11**	**.10**
182376	0519ATC-22	4	Ladder style releaseable cable tie w/ 2.8"strap, self-adhesive, 1.2"L x 0.85"W	**.06**	**.04**	**.02**
182334	0520FC-1	5	Cable tie mount, self-adhesive, 0.5"L x 0.4"W, use w/ 0.3"W max. ties	**.21**	**.19**	**.16**
173729	UC0.5	6	Cable clamp for 3/16" cable	**.08**	**.06**	**.05**
173737	UC1	6	Cable clamp for 1/4" cable	**.11**	**.10**	**.09**
71062	MCV-100Rℛ	7	Cable ID tie (4"L x 0.1"W) with tab (.98"W x .31"H)	**.29**	**.27**	**.23**

FLEXO® Braided Sleeve

TECHFLEX

- Color: black
- Length: 25 feet
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- UV resistant

★Web Code: ECQ

Flexo® Clean-Cut Braided

CLEAN CUT
Scissor Cut For Easy, Fray Resistant Installation In Shop Or Field

- Dense braid structure provides fuller coverage
- Fray resistant when cut w/ scissors

Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
162157	CCP0.25BK25ℛ	5/32 – 7/16	0.250	0.440	**$15.95**	**$14.49**
162165	CCP0.50BK25ℛ	1/4 – 3/4	0.500	0.750	**17.95**	**15.95**

Flexo® Pet Braided

- Braided from 10 mil polyethylene terepthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- High tensile strength

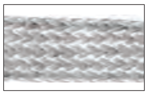
Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
693679	PTN0.25BK25ℛ	1/8 – 7/16	0.250	0.440	**$8.95**	**$7.95**
695383	PTN0.50BK25ℛ	1/4 – 3/4	0.500	0.550	**11.95**	**10.95**

Flat & Tubular Tinned Copper Braid

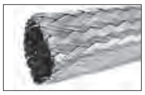
JAMECO ValuePro

These braids are used for sheilding cables, ground straps, and as a protective braid covering hoses and tubes.

- Woven wire construction
- 95% minimum shield coverage
- 100 ft. spools
- QQ-W-343 & ASTM B-33 Compliant



2124189



2124154/2124162

Part No.	Description	1	5	25
2124189	1/4" nominal width x .03" flat, 168 x 36 strand, approx. 14 AWGℛ	**$49.95**	**$47.49**	**$44.95**
2124154	Tubular 1/4" nominal ID, 384 x 36 strand, approx. 10 AWGℛ	**84.95**	**76.49**	**69.95**
2124162	Tubular 3/8" nominal ID, 384 x 36 strand, approx. 10 AWGℛ	**89.95**	**79.95**	**72.95**

Heat Shrink Tubing

Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series

Insulation from environment and resistance from water, fungus, and UV light. Use for insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

419119

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: $10^{14}\Omega$-cm

Clear (4-foot pieces)

★Web Code: HST

Part No.	Mfr. Part No.	Before/After ID (in.)	1	10	100
419119	FIT221-3/64ℛ	.046/.023	$.95	$.89	$.79
419135	FIT221-1/16ℛ	.063/.031	.99	.89	.79
419274	FIT221-3/4ℛ	.750/.375	2.65	2.49	2.35
2113682	TT-72801ℛ	1.00/.500	4.25	3.95	3.49

Black (4-foot pieces)

Part No.	Mfr. Part No.	Before/After ID (in.)	1	10	100
419101	FIT221B-3/64ℛ	.046/.023	$.89	$.79	$.69
419127	FIT221B-1/16ℛ	.063/.031	.99	.89	.79
419143	FIT221B-3/32ℛ	.093/.046	.99	.89	.79
419160	FIT221B-1/8ℛ	.125/.062	.99	.89	.79
419186	FIT221B-3/16ℛ	.187/.093	1.25	1.09	.99
419207	FIT221B-1/4ℛ	.250/.125	1.75	1.59	1.39
419223	FIT221B-3/8ℛ	.375/.187	1.95	1.75	1.59
419240	FIT221B-1/2ℛ	.500/.250	1.95	1.85	1.69

Black (6-inch pieces)

Part No.	Mfr. Part No.	Before/After ID (in.)	Bags of	1	5
419400	FIT221B-1/16ℛ	.063/.031	36 ..	$7.95	$7.49

Heat Shrink Tubing Kits

2:1 Shrink Ratio

★Web Code: HST

A selection of heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275˚F (135˚C).

2095 971		2095963		285481		2095947		645976	
Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces	Size	Pieces
1/8"	12	1/16"	56	3/16"	30	1/16"	56	3/32"	35
1/4"	10	3/32"	35	1/4"	28	3/32"	35	1/8"	28
3/8"	6	1/8"	28	3/8"	20	1/8"	28	3/16"	21
1/2"	4	3/16"	18	1/2"	14	3/16"	18	1/4"	21
3/4"	3	1/4"	9	3/4"	6	1/4"	9	3/8"	14
1"	2	3/8"	8	1"	4	3/8"	8	1/2"	14

Part No.	Mfr.	Description	Pieces	Length	1	5
2095971	ValuePro	Black, dual wall, moisture resistant	37	4.....	$24.95	$22.49
2095963	ValuePro	Black	154	4.......	19.95	17.95
285481	3M	Black	102	6.......	69.95	63.95
2095947	ValuePro	Black/red/white/yellow/blue/green/clear	154	4.......	19.95	17.95
645976	3Mℛ	Black/red/white/yellow/blue/green/clear	133	6.......	69.95	66.49

2095971

285481

645976

Heat Shrink Tubing

★Web Code: HST

- 2:1 uniform shrink ratio
- Shrink temp.: 90°C
- Color: black

Polyolefin Tubing

- *Only sold in 10' & 100' lengths*

Part No.	Dia. Before (mm)	Length (ft.)	1	10
644834	0.12" (3)ℛ	10	$1.95	$1.75
644851	0.12" (3)	100	12.65	11.49
644869	0.16" (4)	10	2.15	1.95
644877	0.16" (4)	100	19.95	17.95
644906	0.20" (5)	10	2.25	1.95
644914	0.20" (5)	100	21.45	19.29
644931	0.24" (6)	10	2.39	2.15
644949	0.24" (6)	100	21.75	19.59
644957	0.31" (8)	10	3.25	2.95

Polyolefin Tubing (Continued)

Part No.	Dia. Before (mm)	Length (ft.)	1	10
644965	0.31" (8)	100	$31.95	$28.75
644973	0.43" (11)	10	3.95	3.55
644981	0.43" (11)	100	29.95	28.49
644990	0.59" (15)	10	4.95	4.49

Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Temp. range: -45°C to +125°C
- Flame retardant
- **Precut 39" length (1 meter)**

72063

Part No.	Dia. Before (mm)	1	10	100
71871	.079" (2.0)ℛ	$.55	$.49	$.45
71280	.098" (2.5)ℛ	.75	.69	.65
72063	.197" (5.0)	.95	.85	.75

Audio/Video Cables & Adapters

WIRELESS AUDIO/VIDEO TRANSMITTER & RECEIVER

2.4GHz

COP!!!!!!!

- 4-ch transmitter selectable
- 4-ch receiver viewable
- Audio input/output: 2Vp-p typical, 2.7Vp-p max. @ 600Ω
- Video input/output: 1Vp-p composite @ 75Ω

Part No.	Description	1	10
2115784	2.4GHz wireless transmitter	$149.95	$134.95
2115709	2.4GHz wireless receiver	89.95	79.95

Complete details on page 164

S-VHS Cables and Adapters

★Web Code: TBL

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders & DVD players

683075

228591

Part No.	Description	1	10	100
683075	S-video male plug to RCA video female jack (blue)	$.99	$.89	$.79
2120487	6' S-VHS video cable, silver plated	1.75	1.59	1.45
228591	6' S-VHS video cable, gold plated	1.95	1.75	1.59

Audio/Video BNC to RCA Cables & Adapter

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

★Web Code: QAP

Part No.	Description	1	10	25
683059	6' BNC to RCA cable (RG-59) w/ BNC to RCA male adapter	$3.95	$3.49	$2.95

RGB/VGA Video Cables

- 75Ω coaxial cable
- Pin 1 red,
  pin 2 green,
  pin 3 blue,
  pin 14 white/black vertical,
  pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male
- Color: black

73648

Part No.	Description	1	10
73648	6' cable	$6.95	$6.25
118068	10' cable	8.95	7.95

DVI Cable

★Web Code: EEM

Digital Video Interface (DVI) provides a high-speed digital connection for visual data types that are display technology independent. The DVI specifications meet the needs of all segments of the PC industry and will enable these different segments to unite around one monitor interface standard.

- DVI male digital to DVI male digital

Part No.	Description	1	10	25
1944265ℛ	Dual link 3 metersℛ ..	$11.95	$10.95	$10.49

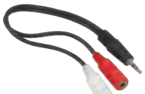
Upgrade to the best Audio/Video standards with HDMI, see next page

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro

Audio/Video Cables and Adapters

★Web Code: QAP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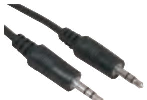
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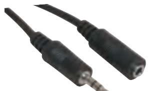
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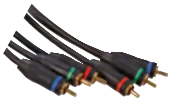
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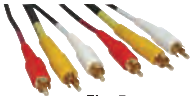
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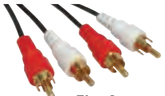
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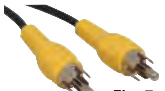
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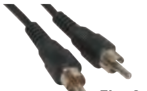
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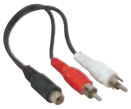
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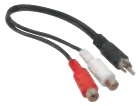
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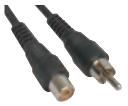
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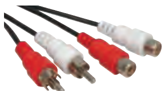
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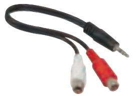
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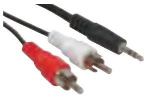


Fig. 14

RCA Audio/Video Patch Cables

Part No.	Fig.	Description	1	10	100
2081852	4	6' RCA component video (3) **M** to (3) **M**	$5.95	$5.49	$4.95
228216	5	3' stereo video patch cable, gold plated	1.65	1.49	1.35
228443	6	3' RCA stereo (2) **M** to (2) **M** plugs, gold plated	1.75	1.59	1.39
183312	7	4' RCA **M** to **M** plug (black)ℛ	1.35	1.19	1.09
206974	7	4' RCA **M** to **M** plug (yellow)ℛ	1.35	1.19	1.09
1949470	8	6' RCA **M** to **M** plug, gold plated	1.75	1.59	1.25
106375	8	6' RCA **M** to **M** plug (black)ℛ	1.75	1.59	1.25
2082417	7	6' RCA **M** to **M** plug (yellow)	1.49	1.35	1.19
228451	6	6' RCA stereo (2) **M** to (2) **M** plugs, gold plated	1.95	1.75	1.49
2135603	5	5' RCA (3) **M** to (3) **M** plugs, nickel plated	1.75	1.59	1.45
29349	7	10' RCA mono **M** to **M** plug (yellow)ℛ	2.25	1.95	1.75
228460	6	12' RCA stereo (2) **M** to (2) **M** plugs, gold plated	2.69	2.49	2.19
225980	5	12' RCA (3) **M** to (3) **M** plugs, gold plated	3.95	3.55	3.19
228435	8	25' RCA mono **M** to **M** plug, nickel plated	2.39	2.09	1.89
228478	6	25' RCA stereo (2) **M** to (2) **M** plugs, gold plated	2.95	2.65	2.39
228582	5	50' stereo video patch cable, gold plated.................	11.95	10.75	9.95

RCA Audio/Video Extension Cables

★Web Code: QAP

Part No.	Fig.	Description	1	10	100
228371	9	6" RCA (2) **M** plugs to RCA **F** jack	$.95	$.89	$.85
228355	10	6" RCA **M** plug to RCA (2) **F** jacks	.95	.89	.85
228419	11	6' RCA mono **M** plug to **F** jack	1.25	1.09	.99
228486	12	6' RCA stereo (2) **M** plugs to (2) **F** jacks	1.49	1.39	1.25

RCA to 3.5mm Audio Cables

★Web Code: QAP

Part No.	Fig.	Description	1	10	100
228380	13	6" RCA stereo (2) **F** jacks to 3.5mm stereo **M** plug ..	$1.95	$1.75	$1.59
228401	14	6' RCA stereo (2) **M** plugs to 3.5mm stereo **M** plug ..	1.65	1.49	1.35

3.5mm Audio Splitter and Extension/Patch Cables

★Web Code: JAU

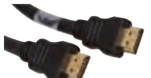
Part No.	Fig.	Description	1	10	100
228398	1	6" 3.5mm stereo Y-cable **F** jacks (2) to **M** plug	$2.35	$2.09	$1.89
228494	2	6' 3.5mm stereo **M** to **M** plug (black)	1.45	1.29	1.15
2128147	2	3' retractable 3.5mm stereo **M** to **M** plug, 4" when coiled	3.49	3.29	3.15
228515	3	6' 3.5mm stereo **M** plug to **F** jack (black)	2.35	2.09	1.89
228507	2	12' 3.5mm stereo **M** to **M** plug (black)	1.95	1.75	1.59
228523	3	12' 3.5mm stereo **M** plug to **F** jack (black)	2.49	2.25	1.95

JAMECO ValuePro

HDMI Cables & Adapters

★Web Code: DEM

High Definition Multimedia Interface (HDMI) is the industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.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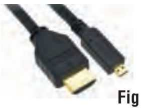
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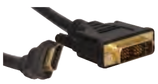
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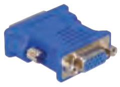
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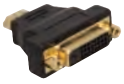
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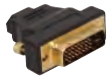


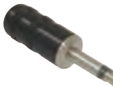
Fig. 6

Part No.	Fig.	Product No.	Description	1	5	25
1944142	1	10HM-01128-01ℛ	HDMI male to male, 1 meter	$8.95	$7.95	$6.95
1944151	1	10HM-01128-02ℛ	HDMI male to male, 2 meters	9.95	8.95	7.95
2145131	1	PCM-2295-03Mℛ	HDMI male to male, 3 meters	10.95	9.95	8.95
1944169	1	10HM-01128-05ℛ	HDMI male to male, 5 meters	12.95	11.95	10.95
2127179	2	CH15180GR	HDMI type A to micro type D, 6'm/m	7.95	6.95	5.95
1944177	3	10HM-15128-01ℛ	Male to DVI-D single link, 1 meter	7.95	7.49	6.95
1944185	3	10HM-15128-02ℛ	Male to DVI-D single link, 2 meters	11.95	10.95	9.95
2145140	3	PCM-2296-03Mℛ	Male to DVI-D single link, 3 meters	12.95	11.95	10.95
2125907	4	F27334-1	DVI-A M to VGA adapter	6.95	5.95	4.95
1944206	5	30HM-15228-MOℛ	HDMI M to DVI F video adapter	6.95	6.25	5.59
1944214	6	30HM-15328-MOℛ	HDMI F to DVI M video adapter	7.95	6.95	5.95

Stereo, Phone, Audio Plugs & Jacks

★Web Code: AJS

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
297297	Switchcraft	850Xℛ	1	2.5mm mono phone, audio plug, black plastic	25.8L x 6.35 Dia.	$3.95	$3.75	$3.55
281869	Switchcraft	750ℛ	2	3.5mm mono audio plug, plastic	41.5L x 5.7 ID	4.25	3.95	3.75
281754	Switchcraft	250ℛ	3	1/4" mono phone audio plug, plastic	73.7L x 7.6 ID	3.49	3.29	3.09
281789	Switchcraft	297ℛ	4	1/4" stereo phone audio plug, metal	73.7L x 7.6 ID	4.95	4.49	3.95
281771	Switchcraft	280ℛ	5	1/4" mono phone audio plug, metal	73.7L x 7.6 ID	4.49	3.69	3.25
229921	ValuePro	JR1625BLK	6	RCA plug, plastic, black (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
229930	ValuePro	JR1625ℛ	7	RCA plug, plastic, red (5 pk)	51.5L x 5.0 ID	1.45	1.29	1.15
281800	Switchcraft	3502ℛ	8	RCA phone audio plug, metal	33.8L x 5.0 ID	2.49	2.19	1.95
2125579	ValuePro	3502-1	9	RCA phone audio plug, nickel	34.5L x 7.2ID	1.75	1.59	1.45
2129975	Switchcraft	MDSL2Aℛ	10	2.5mm mono phone audio jack, threaded	12.6H x 8.7L x 7.8W	2.55	2.29	2.09
2095437	ValuePro	J355W	10	3.5mm stereo audio jack, panel mt., terminal	10.1H x 8.4W x 17.6L ..	1.49	1.15	.99
281834	Switchcraft	41ℛ	11	3.5mm audio jack, panel mount, terminal	7.8L x 5.9 Dia.	1.95	1.85	1.75
568392	Switchcraft	35RAPC4BH3ℛ	12	3.5mm stereo jack, rt. angle horz., threaded†	6.0H x 11.0W x 8.0L	1.95	1.75	1.49
1766180	Switchcraft	35RAPC4BHN2ℛ	12	3.5mm stereo jack, rt. angle horz., non-threaded	5.0H x 12.0W x 15.0L ..	1.69	1.49	1.35
2081334	Shogyo	354-3PY	12	3.5mm mono jack, rt. angle horz., non-threaded	6.1H x 11.9W x 12.0L ..	1.09	.89	.69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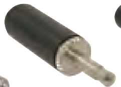
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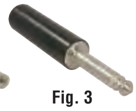
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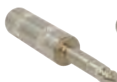
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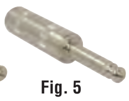
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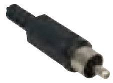
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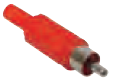
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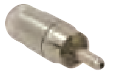
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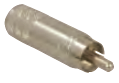
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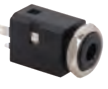
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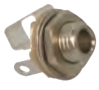
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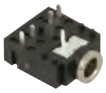


Fig. 12

Continued on next page

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Stereo, Phone, Audio Plugs & Jacks (Continued)

★ Web Code: AJS

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
2100291	ValuePro	354-PY (CT)	13	3.5mm mono jack, rt. angle horz., threaded	6.45H x 11.7W x 14.3L	$1.09	$.89	$.69
2081772	Kycon	ST3120-3-WHT	14	3.5mm stereo jack, rt. angle horz., non-threaded	10.45H x 12.0W x 6.8L	.49	.45	.39
1766121	Switchcraft	35RAPC2AVℛ	15	3.5mm mono jack, rt. angle ver., threaded	11.6H x 7.7W x 14.0L	1.25	1.19	1.09
1766198	Switchcraft	35RAPC4BV4ℛ	15	3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	2.25	1.95	1.75
2095373	ValuePro	HTJ-035-22D	16	3.5mm mono jack, rt. angle horz., non-threaded, blk.	10.45H x 10.0W x 14.0L ...	.89	.79	.69
2081238	Shogyo	SCJ330	10	3.5mm mono audio jack	10.6H x 9.0W x 21.7L ...	1.95	1.75	1.49
281738	Switchcraft	11R	17	1/4" mono phone audio jack	12.8L x 9.1 Dia.	1.85	1.69	1.49
296892	Switchcraft	12AR	18	1/4" mono phone audio jack, metal	31.7L x 9.4 Dia.	2.09	1.99	1.89
281746	Switchcraft	12BR	18	1/4" stereo phone audio jack	14.7L x 9.1 Dia.	2.09	1.95	1.85
2120209	ValuePro	STJ-.25ℛ	19	1/4" stereo phone audio jack, shielded, threaded	20.8L x 16.7W x 16.5H ...	1.69	1.49	1.35
220581	ValuePro	KY-006-1(W)	20	RCA jack, PCB mount, white	11.2H x 14.2W x 12.2L	.59	.55	.49
220556	ValuePro	KY-006-1(R)	20	RCA jack, PCB mount, red	11.2H x 14.2W x 12.2L	.65	.59	.55
220572	ValuePro	KY-006-1(B)	20	RCA jack, PCB mount, black	11.2H x 14.2W x 12.2L	.39	.35	.25
220564	ValuePro	KY-006-1(Y)	20	RCA jack, PCB mount, yellow	11.2H x 14.2W x 12.2L	.39	.35	.29
2076359	ValuePro	AJ842G3	21	RCA jack, PCB mount, rt. angle, red/white/yellow (3)	40.6H x 22.9W x 21.6L	.55	.49	.45
2076332	ValuePro	SCJ-0358-YLW	22	RCA jack, PCB mount, yellow	9.9H x 19.1W x 13.0L	.45	.39	.35
169502	ValuePro	SCJ-0358-BLK-Rℛ	22	RCA jack, PCB mount, black	10.2H x 21.6W x 12.7L	.55	.49	.45
319249	Velleman	CA066	23	RCA jack, 2 pair stereo, panel mount, red/white	73.7H x 12.2W x 24.9L	.95	.85	.75
159485	ValuePro	CS7021-DN-BLK-Rℛ	24	RCA jack, panel mount, black	21.3W x 9.7H	.95	.85	.75
172340	ValuePro	CS7021-DN-RD-Rℛ	24	RCA jack, panel mount, red	21.3W x 9.7H	.85	.75	.69
2123451	Velleman	LSC2ℛ	25	Speaker terminal board, 2-pos, pushbutton	50.8H x 50.8W x 31.8D	.99	.89	.79
2123469	GC/Waldom	33-1404ℛ	26	Speaker terminal board, 4-pos, pushbutton	76.2H x 25.4W x 31.8D ..	2.25	1.95	1.75

† Closed circuit

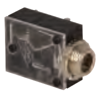


Fig. 13

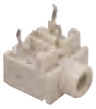


Fig. 14

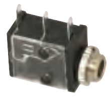


Fig. 15

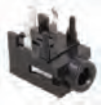


Fig. 16

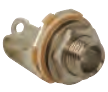


Fig. 17

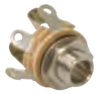


Fig. 18

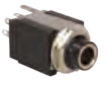


Fig. 19

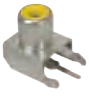


Fig. 20

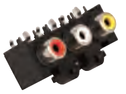


Fig. 21

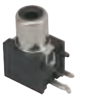


Fig. 22

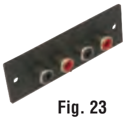


Fig. 23

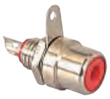


Fig. 24

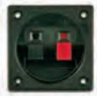


Fig. 25

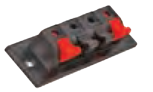


Fig. 26

Microphone (XLR) Connectors

★ Web Code: ABV

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
277026	Switchcraft	A3Fℛ	27	3-pin female, metal	82.5 x 5.3 Dia.	$5.95	$5.49	$4.95
319003	ValuePro	250-720	27	3-pin female, metal	81.5L x 7.43D	2.25	1.95	1.75
281560	Switchcraft	A3Mℛ	28	3-pin male, metal	70.3 x 5.3 Dia.	4.55	3.95	3.65
319011	ValuePro	250-710	28	3-pin male, metal	70.6L x 7.31D	2.95	2.65	2.39
281640	Switchcraft	D3Fℛ	29	3-pin female, metal, panel mount	27.0W x 36.3H X 30.6D..	4.95	4.49	3.95
319038	ValuePro	250-705	29	3-pin female, metal, panel mount	26.2W x 35.5H x 35.9D ..	3.95	3.49	2.95

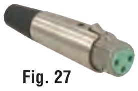


Fig. 27

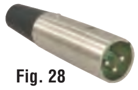
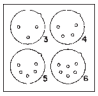


Fig. 28



3 to 6 pinout

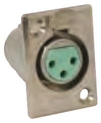


Fig. 29

Audio Adapters

★ Web Code: KBQ

Part No.	Manufacturer	Product No.	Description	1	10	100
2115637	Belkin	F8V211TTℛ	1/4" stereo F jack to 3.5mm stereo M plug	$.69	$.59	$.55
228283	ValuePro	251-120	RCA F jack to mono 1/4" M plug	.69	.59	.55
228267	ValuePro	251-116	RCA F to F jack coupler, gold plated	.59	.55	.49
2115629	Belkin	F8V210TTℛ	RCA F to F jack coupler, silver plated	.49	.45	.39

2115637

228283

228267

2115629

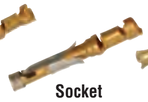
AMP CPC Contacts

★ Web Code: LEF

Type III+ Snap-In Crimp Pins w/ Retention Spring

- Finish: **A:** 30µ" gold over nickel
  B: 15µ" gold over nickel
  C: Tin-lead
- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Pin


Socket

Socket with Insulation Support

Socket without Insulation Support

Part No.	Mfr. P/N	AWG	Finish	Type	1	10
526441	1-66361-1	18-14	A	Pin	$.85	$.75
526424	66180-1ℛ	18-16	A	Pin*	.99	.89
526432	66181-1	18-16	A	Socket	1.25	1.09
526459	66103-3ℛ	24-20	B	Pin	.59	.49
526563	1-66103-5	24-20	C	Pin	.39	.35
526361	1-66103-7ℛ	24-20	A	Pin	.69	.59
526379	66105-3ℛ	24-20	B	Socket ...	.59	.55
526504	1-66105-6	24-20	C	Socket ...	.55	.49

Size 20DF Contacts

- Contact body: brass
- Finish: **A:** 30µ" gold over nickel;
  B: gold flash over nickel

Order in multiples of 10

Part No.	Mfr. P/N	AWG	Finish	Type	10	100
223221	1-66505-0ℛ	28-24	B	Socket†	$.15	$.12
223247	745253-6ℛ	26-22	A	Socket† ..	.19	.15
223298	66504-9ℛ	24-20	A	Socket ...	.19	.15
223255	1-66504-0ℛ	24-20	B	Socket ...	.19	.15

† With insulation support

AMP Circular Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material:
  thermoplastic black, UL94V-0 rated (plastic);
  zinc alloy (metal)

Plastic

Metal

★ Web Code: PCB

Part No.	Mfr. P/N	Material	Shell Size	Cable O.D.(max.)	1	10
494039	206062-1	Plastic	11	.329" ...	$3.95	$3.49
494063	206070-1	Plastic	17	.453"	3.95	3.49
494055	206966-1	Plastic	13	.453"	3.95	3.49
494119	208945-7ℛ	Metal	22	.750"	7.95	6.95

Need Crimping Tools...
See page 143

MP3 PLAYBACK MODULE

Integrate high-quality MP3 playback module into your designs with the easy to use TTL serial protocol.

Part No.	Mfr. Part No.	Size (L" x W")	1	5
2135734	AP-RMP	2.7 x 2.1	$59.95	$54.95

ROGUE ROBOTICS

Play voice prompts, sound effects, or music!

- Supports MP3, PCM WAV, and IMA ADPCM WAV files
- Simple TTL serial control interface
- SPI control option
- Easily interfaced with any microcontroller (PIC, AVR, 8051, etc.)

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

AMP

CPC Circular Plastic Connectors

Series 1 — Standard density, signal and low-current applications

- Accepts type III+; high-current type II and subminiature coax contacts
- Voltage rating: 600V (UL)
- For terminals/CPC contacts, see page 58

★Web Code: WBK

495091

421382

495103

495031

495293

Plugs – Free Hanging

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495091	206429-1ℛ	11-4	Reverse	421382, 495550, 495314, 744237	**$3.25**	**$2.95**
495082	206060-1ℛ	11-4	Standard	495146, 495154, 750311	**3.25**	**2.95**
421374	211399-1ℛ	13-7	Standard	913791	**3.95**	**3.59**
495103	206708-1ℛ	13-9	Standard	495293	**3.95**	**3.59**
495031	206044-1ℛ	17-14	Reverse	495162, 839324, 495197	**3.75**	**3.49**
495322	206037-1ℛ	17-16	Standard	495218, 495226, 839501	**3.75**	**3.49**

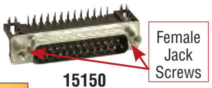
Receptacles – Panel Mount

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495218	206430-1ℛ	11-4	Reverse	495091	**$2.49**	**$2.25**
495162	206061-1ℛ	11-4	Standard	495082	**2.49**	**2.25**
495293	211401-1ℛ	13-7	Standard	421374	**4.95**	**4.49**
495146	206043-1ℛ	17-14	Reverse	495322	**2.75**	**2.49**
421382	206036-1ℛ	17-16	Standard	495031	**2.75**	**2.49**

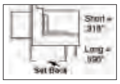
D-Subminiature Connectors

Right Angle PCB Mount

Metal .318" Setback – Tin plated short style



15150



★Web Code: FAN

✳ Order in multiples of 10

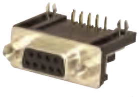
Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
1952839	Foxconn	D-SUB-9M†	9	M	**$.49**	**$.39**	**$.29**
104943	ValuePro	DB9P318ℛ	9	M	**.85**	**.75**	**.65**
614441	AMP	747840-4†	9	M	**.99**	**.89**	**.75**
104952	ValuePro	DB9S318ℛ	9	F	**.79**	**.69**	**.59**
614504	AMP	747844-4†	9	F	**1.49**	**1.25**	**1.09**
71124	ValuePro	DA15P318ℛ†	15	M	**.75**	**.65**	**.55**
71125	ValuePro	DA15P318ℛ	15	M	**.85**	**.79**	**.65**
77956	ValuePro	DA15S318	15	F	**.85**	**.79**	**.65**
1952273	Kycon	HDDSUB-15S†*	15	F	✳	**.09**	**.08**
71466	ValuePro	HDDB15S318ℛ*	15	F	**.99**	**.89**	**.79**
614539	AMP	747845-4†	15	F	**.99**	**.89**	**.79**
15150	ValuePro	DB25P318ℛ	25	M	**.85**	**.75**	**.65**
15182	ValuePro	DB25S318ℛ	25	F	**.95**	**.85**	**.75**
71706	ValuePro	DC37P318†	37	M	**1.25**	**1.09**	**.95**
78183	ValuePro	DC37S318ℛ†	37	F	**1.25**	**1.09**	**.95**

*High Density † Without female jack screws

Right Angle PCB Mount

Metal .590" Set Back – Tin plated long style

- Current rating: 1A


104978

★Web Code: HAN

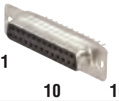
✳ Order in multiples of 10

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
104970	ValuePro	DB9P590ℛ	9	M	**$1.09**	**$.99**	**$.89**
104978	ValuePro	DB9S590ℛ	9	F	**1.29**	**1.15**	**.99**
104985	Astron	DA15P590†	15	M	✳	**.19**	**.15**
104993	ValuePro	DA15S590†	15	F	✳	**.19**	**.15**
104994	ValuePro	DA15S590ℛ†	15	F	**.99**	**.89**	**.79**
189624	ValuePro	DB25P590††	25	M	✳	**.19**	**.15**
105013	ValuePro	DB25S590	25	F	**1.25**	**1.09**	**.89**
2135056	ValuePro	1011-25A-Rℛ	25	F	**1.49**	**1.25**	**1.09**
105014	ValuePro	DB25S590ℛ†	25	F	**1.25**	**1.09**	**.95**

† Without female jack screws †† Without board tabs

Metal Straight PCB Mount

★Web Code: SBK


2095091

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
111692	ValuePro	DB9PPCBℛ	9	M	**$.65**	**$.55**	**$.45**
15781	ValuePro	DB9SPCBℛ	9	F	**.65**	**.55**	**.45**
176760	ValuePro	DA15PPCB	15	M	**.75**	**.65**	**.55**
176752	ValuePro	DA15SPCBℛ	15	F	**.75**	**.65**	**.55**
2133510	AMP	749798-1*	15	F	**.99**	**.89**	**.79**
15123	ValuePro	DB25PPCBℛ	25	M	**.89**	**.79**	**.69**
2095091	Amphenol	EDB25ST	25	F	✳	**.19**	**.15**
15165	ValuePro	DB25SPCB	25	F	**.99**	**.89**	**.79**
180021	ValuePro	DC37SPCB	37	F	**1.49**	**1.25**	**1.09**

*High Density

Metal Solder-Cup

★Web Code: EAB

203799

✳ Order in multiples of 10

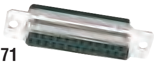
Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
15748	ValuePro	1001-9P-Rℛ	9	M	**$.75**	**$.65**	**$.55**
222990	AMP	747904-2	9	M	**2.95**	**2.49**	**2.25**
15771	ValuePro	500-109	9	F	**.75**	**.65**	**.55**
2125510	Amphenol	DB9S-SFJ†	9	F	**1.25**	**1.09**	**.95**
223052	AMP	747905-2	9	F	**2.95**	**2.75**	**2.49**
15035	ValuePro	1001-15P-Rℛ	15	M	**.85**	**.69**	**.59**
15078	ValuePro	1002-15P-Rℛ*	15	M	**1.09**	**.89**	**.75**
15052	ValuePro	1001-15S-Rℛ	15	F	**.85**	**.69**	**.59**
164823	ValuePro	1002-15S-Rℛ*	15	F	**1.09**	**.89**	**.75**
15115	ValuePro	1001-25P-Rℛ	25	M	**1.25**	**.99**	**.89**
223010	AMP	747912-2	25	M	**3.49**	**3.25**	**2.95**
15157	ValuePro	500-125	25	F	**1.25**	**.99**	**.89**
223079	AMP	747913-2	25	F	**2.95**	**2.75**	**2.49**
203799	ValuePro	1002-26P*	26	M	**.75**	**.65**	**.59**
639630	Amphenol	EDC37P	37	M	**.59**	**.55**	**.49**
15473	ValuePro	1002-37Pℛ	37	M	**1.49**	**1.25**	**1.09**
482724	Amphenol	EDC37S	37	F	**1.09**	**.99**	**.89**
15500	ValuePro	1001-37S	37	F	**1.49**	**1.25**	**1.09**
482732	Amphenol	EDD50P	50	M	✳	**.19**	**.15**
15676	ValuePro	GC029-Rℛ	50	M	**1.49**	**1.25**	**1.09**
482741	Amphenol	EDD50S	50	F	**.35**	**.29**	**.25**

† With female jack screws *High Density

Crimp-Type

★Web Code: UBR

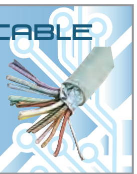
73189


38771

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
73189	ValuePro	500-010	9	M	**$.55**	**$.45**	**$.35**
222640	AMP	205204-1	9	M	**1.15**	**.95**	**.85**
73197	ValuePro	500-110	9	F	**.55**	**.45**	**.35**
222842	AMP	205203-3ℛ	9	F	**.89**	**.79**	**.69**
222691	AMP	205203-1	9	F	**1.15**	**.95**	**.85**
73200	ValuePro	G37-15	15	M	**.75**	**.65**	**.59**
180882	ValuePro	1006-15P-Rℛ	15	M	**.39**	**.35**	**.29**
222703	AMP	205205-1ℛ	15	M	**.39**	**.35**	**.29**
222658	AMP	205206-1	15	M	**.39**	**.35**	**.29**
73219	ValuePro	G1G125-Rℛ	15	F	**.75**	**.65**	**.55**
38789	ValuePro	500-027	25	M	**.69**	**.59**	**.49**
38771	ValuePro	500-1N27	25	F	**.75**	**.69**	**.65**

BEST SELLING MULTI-CONDUCTOR CABLE

Part No.	Description	Price
644412	9 conductor - 25 feetℛ	**$15.95**
644455	15 conductor - 100 feetℛ	**53.95**
2006377	25 conductor - 1000 feetℛ	**429.95**



★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

D-Sub Connectors, Contacts, Hoods & Hardware

D-Subminiature Connectors (Continued)

★ Web Code: MAP

IDC Ribbon Cable

- Contact material: phosphor bronze
- Terminates with standard D-type connectors

109226

116004

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
109226	ValuePro	MDB9Pℛ	Metal	9	M	$1.95	$1.75	$1.49
12504	ValuePro	CDB9Pℛ	Plastic	9	M	2.25	1.95	1.75
109218	ValuePro	MDB9Sℛ	Metal	9	F	1.95	1.75	1.49
12521	ValuePro	CDB9Sℛ	Plastic	9	F	2.25	1.95	1.75
117382	ValuePro	MDA15Pℛ	Metal	15	M	1.95	1.75	1.49
12299	ValuePro	CDA15Pℛ	Plastic	15	M	1.49	1.25	1.09

IDC Ribbon Cable (Continued)

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
116012	ValuePro	MDA15SR	Metal	15	F	$2.25	$1.95	$1.75
12319	ValuePro	CDA15S	Plastic	15	F	1.49	1.25	1.09
115984	ValuePro	MDB25PR	Metal	25	M	2.75	2.49	2.25
12335	ValuePro	CDB25P	Plastic	25	M	1.89	1.75	1.49
115976	ValuePro	MDB25SR	Metal	25	F	2.49	2.25	1.95
12432	ValuePro	CDB25SR	Plastic	25	F	1.95	1.75	1.49
115992	ValuePro	MDC37PR	Metal	37	M	3.25	2.95	2.65
614336	AMP	747306-1R	Metal	37	M	5.95	5.49	4.95
12466	ValuePro	CDC37P	Plastic	37	M	2.49	2.25	1.95
116004	ValuePro	MDC37SR	Metal	37	F	3.49	2.95	2.49

D-Sub Solder & Crimp Contacts

★ Web Code: JDC

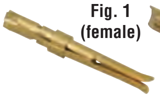


Fig. 1 (female)

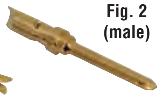


Fig. 2 (male)

Without Insulation Support

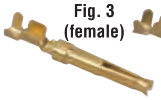


Fig. 3 (female)

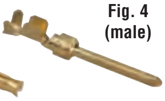


Fig. 4 (male)

With Insulation Support

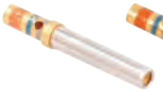


Fig. 5 (female)

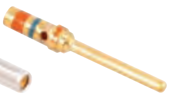


Fig. 6 (male)

Female Solder Contact – Fig. 1

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	500
223319	AMP	66569-3ℛ	18	$.29	$.25	$.22

Male Solder Contact – Fig. 2

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	500
234982	AMP	66570-3R	28-24	$.29	$.25	$.19

Female Crimp Contacts – Fig. 3

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	1000
43369	ValuePro	500-155	28-24	$.15	$.12	$.09
185412	ValuePro	1006-PS	28-24	.12	.09	.07
223221	AMP	1-66505-0ℛ	28-24	.15	.12	.09
223247	AMP	745253-6ℛ	26-22	.19	.15	.12
860001	AMP	66504-4ℛ	24-20	.09	.08	.07
223298	AMP	66504-9ℛ	24-20	.19	.15	.12
223255	AMP	1-66504-0ℛ	24-20	.19	.15	.12

Male Crimp Contacts– Fig. 4

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	1000
185421	ValuePro	1006-PP†	28-24	$.12	$.09	$.07
43377	ValuePro	500-055	28-24	.15	.12	.09
223108	AMP	66507-9ℛ	28-24	.22	.19	.15
223132	AMP	745254-7ℛ	26-22	.29	.25	.19
223191	AMP	66506-9ℛ	24-20	.19	.15	.12
223167	AMP	1-66506-0ℛ	24-20	.19	.15	.12
838399	AMP	2-66506-4ℛ	24-20	.09	.07	.05
223175	AMP	205202-7ℛ	24-20	.35	.29	.25

† Use with 180882, pg 59

Female Crimp Contact (M39029/63-368) – Fig. 5

- Machined

Part No.	Mfr.	Product No.	1	10	100
449351	AMP	205090-1ℛ	$.65	$.55	$.49

Male Crimp Contact (M39029/64-369) – Fig. 6

- Machined

Part No.	Mfr.	Product No.	1	10	100
449342	AMP	205089-1ℛ	$.65	$.55	$.49

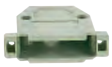
D-Sub Connector Hoods

JAMECO ValuePro

★ Web Code: DAB

25620 Metallized

230893 Plastic


15086 Plastic

- Use with D-sub solder cup and housing style connectors (hardware included)

D Series: Plastic hood with strain relief (gray)
MD Series: Metal coated plastic hood w/ strain relief
MH Series: Die-cast metal hood with strain relief

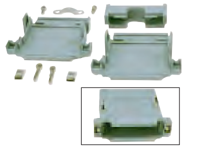
Part No.	Mfr.	Product No.	Pins	1	10	100
15722	ValuePro	DB9Hℛ	9	$.69	$.59	$.49
25620	ValuePro	MDB9H	9	.75	.69	.59
147741	ValuePro	MHDB9ℛ	9	1.75	1.49	1.25
230893	AMP	205729-1†	9	2.95	2.75	2.49
15019	ValuePro	DA15Hℛ	15	.89	.75	.65
25567	ValuePro	MDA15Hℛ	15	1.09	.95	.75
15086	ValuePro	DB25Hℛ	25	.69	.59	.49
25604	ValuePro	MDB25Hℛ	25	.99	.85	.69
15107	ValuePro	MHDB25ℛ	25	2.49	2.25	1.95
230914	AMP	205718-1†	25	.99	.89	.79
15457	ValuePro	DC37Hℛ	37	1.25	1.09	.89
25612	ValuePro	MDC37Hℛ	37	1.09	.95	.79

† Plastic clam shell hood (black)

25-Pin Dual Plastic Hood

JAMECO ValuePro

Designed for custom applications requiring two D-sub connectors.



Kit includes: Backshell and hardware

Part No.	Description	1	10	100
34091	25-pin hood	$.99	$.85	$.69

★ Junction Shells Online — Enter Web Code DAB

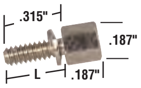
Hardware for D-Sub Connector Hoods

★ Web Code: PAM

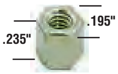
16548

444912

614096



2100283



102796

125015

4-40 Hex Jack Screw Sets

16548: 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw, nut & washer set – plating B

444912: 4-40 Hex (.187"W x .187"H x .630"L thread) jack screw, nut & washers set – plating C

1575931: 4-40 Hex (.187"W x .130"H x .315"L thread) jack screw, nut & washer set – plating A

614096: 4-40 Hex (.187"W x .187"H x .250"L thread) jack screw, nuts & washer set (2) – plating A

✳ Order in multiples of 10

Part No.	Mfr.	Prod. No.	Plating*	1	10	100
16548	ValuePro	14-522ℛ	B	✳	$.55	$.49
444912	Cinch	D20418-39	C	1.95	1.75	1.59
1575931	3M	3341-1S	A	1.75	1.59	1.39
614096	AMP	745563ℛ	A	1.95	1.75	1.39

4-40 x .187" Jack Screws

✳ Order in multiples of 10

Part No.	Mfr.	Length	Plating*	1	10	100
169931	ValueProℛ	.275"	A	$.29	$.25	$.19
2100283	ValuePro	.315"	D	✳	.19	.13
1582209	Keystoneℛ	.315"	C	✳	.19	.15
102816	ValuePro	.437"	B	.45	.39	.29
108987	ValueProℛ	.515"	A	.49	.45	.35

4-40 x .187"/.195" Standoffs

More Standoffs, pg 90

Part No.	Mfr.	Length	Plating*	1	10	100
175636	ValuePro	.187"	B	$.29	$.25	$.19
102796	ValueProℛ	.235"	A	.39	.35	.29

4-40 Slotted Plastic Thumbscrew

Part No.	Mfr.	Length	Plating*	1	10	100
125015	ValueProℛ	1.65"	A	$.39	$.35	$.29

*Plating – **A:** Zinc, clear chromate **B:** Chrome
C: Zinc, yellow chromate **D:** Chrome with lock washer

D-Sub Crimping Tool

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins & sockets, D-sub 26-28 AWG wire; butt-insulated connectors, 22-26 AWG wire; telephone spade lugs, 22-26 AWG wire and non-insulated connectors, 20-22 AWG & 14-18 AWG
- Coiled spring return
- Size: 7.3"L x 1.5"W

★ Web Code: GBU

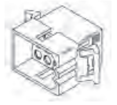
Part No.	Mfr. Part No.	1	5	25
99443	HT202Aℛ	$8.95	$7.95	$6.95

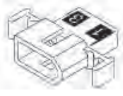
More Tools on pages 141-146

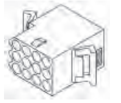
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 180.

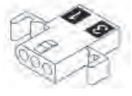
molex Power Connectors

- 5.03mm (.198") pitch
- Passive friction lock
- Housing: nylon; UL94V-2
- Temperature range: -40˚C to +105˚C
- Contact retention to housing: 20 lbs. min.


Free Hanging Plug (Matrix)


Panel Mount Plug (In-line)


Free Hanging Receptacle (Matrix)


Panel Mount Receptacle (In-line)

.062" (1.57mm) Plugs

★Web Code: HBL

- Current: 5.0A

✳ Order in multiples of 10

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224485	03-06-2023ℛ	2	Free hanging	In-line	224400	✳	**$.19**	**$.15**
224493	03-06-2032ℛ	3	Free hanging	In-line	—	**.35**	**.29**	**.25**
224506	03-06-2042ℛ	4	Free hanging	In-line	224426	**.35**	**.29**	**.25**
224514	03-06-2044ℛ	4	Free hanging	Matrix	224434	**.39**	**.35**	**.29**

.062" (1.57mm) Receptacles

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224400	03-06-1023ℛ	2	Free hanging	In-line	224485	✳	**$.15**	**$.12**
224426	03-06-1042ℛ	4	Free hanging	In-line	224506	**.39**	**.35**	**.29**
224434	03-06-1044ℛ	4	Free hanging	Matrix	224514	**.39**	**.35**	**.25**
224442	03-06-1062ℛ	6	Free hanging	Matrix	—	**.39**	**.35**	**.29**
224451	03-06-1092ℛ	9	Free hanging	Matrix	—	**.45**	**.35**	**.29**

.093" (2.36mm) Plugs

★Web Code: CBL

- Current: 12A/circuit

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224071	03-09-2022ℛ	2	Free hanging	In-line	224143 ...	**$.25**	**$.22**	**$.15**
224080	03-09-2032ℛ	3	Free hanging	In-line	224151	**.29**	**.25**	**.19**
224098	03-09-2042ℛ	4	Free hanging	In-line	224160	**.35**	**.29**	**.25**
743234	19-09-2068ℛ†	6	Panel mount	In-line	—	✳	**.15**	**.12**

† 6.71mm (.264") pitch

.093" (2.36mm) Receptacles

Part No.	Mfr. No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224143	03-09-1022ℛ	2	Free hanging	In-line	224071 ...	**$.25**	**$.22**	**$.15**
224151	03-09-1032ℛ	3	Free hanging	In-line	224080	**.29**	**.25**	**.19**
224160	03-09-1042ℛ	4	Free hanging	In-line	224098	**.35**	**.29**	**.25**
230156	03-09-1041ℛ	4	Panel mount	In-line	224098	**.29**	**.25**	**.19**
224186	03-09-1094ℛ	9	Free hanging	Matrix	—	**.29**	**.25**	**.19**

molex Power Connector Contacts

JAMECO ValuePro

- Contact: brass or phosphor bronze
- Temp. range: -40˚C to +105˚C
- Tin plating

★Web Code: JBL

Crimp-Type Male

Solder-Tail Male

Crimp-Type Female

Solder-Tail Female

.062" (1.57mm) Bulk

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
224581	Molex	02-06-2132ℛ	Crimp type	M	24-30	**$.09**	**$.07**	**$.05**
224573	Molex	02-06-1132ℛ	Crimp type	F	24-30	**.09**	**.07**	**.05**
224565	Molex	02-06-2103ℛ	Crimp type	M	18-24	**.09**	**.07**	**.05**
224557	Molex	02-06-1103ℛ	Crimp type	F	18-24	**.09**	**.07**	**.05**
227379	Molex	02-06-8103ℛ	Solder tail	M	—	**.15**	**.12**	**.09**
227387	Molex	02-06-7103ℛ	Solder tail	F	—	**.12**	**.09**	**.07**

.084" (2.13mm) Bulk

Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
401314	ValuePro	02-08-1002Cℛ	Crimp type	F	12-14	**$.05**	**$.04**	**$.03**
401331	ValuePro	02-08-1004Cℛ	Crimp type	F	12-14	**.05**	**.04**	**.03**
401306	ValuePro	02-08-1002Aℛ	Crimp type	F	18-22	**.05**	**.04**	**.03**
401322	ValuePro	02-08-1004Aℛ	Crimp type	F	18-22	**.05**	**.04**	**.03**
401357	ValuePro	02-08-2004SCℛ	Crimp type	M	12-14	**.05**	**.04**	**.03**
379541	ValuePro	02-08-2004SBℛ	Crimp type	M	16-20	**.05**	**.04**	**.03**
401349	ValuePro	02-08-2004SAℛ	Crimp type	M	18-22	**.05**	**.04**	**.03**

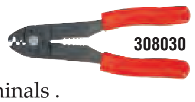
.093" (2.36mm) Bulk

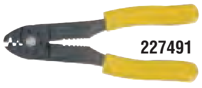
Part No.	Mfr.	Cross Ref. No.	Description	Gender	AWG	10	100	1000
224207	Molex	02-09-2118ℛ	Crimp type	M	18-22	**$.12**	**$.09**	**$.07**
224215	Molex	02-09-1119ℛ	Crimp type	F	18-22	**.12**	**.09**	**.07**
224223	Molex	02-09-2103ℛ	Crimp type	M	14-20	**.12**	**.09**	**.07**
224231	Molex	02-09-1104ℛ	Crimp type	F	14-20	**.12**	**.09**	**.07**
224240	Molex	02-09-2133ℛ	Solder tail	M	—	**.15**	**.12**	**.09**
224258	Molex	02-09-1134ℛ	Solder tail	F	—	**.15**	**.12**	**.09**

Hand Crimp Tools

★Web Code: GBU

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" (above) and KK® series (pg 64) crimp terminals .


308030


227491

Part No.	Mfr. Part No.	Description	Length	Color	1	5
308030	W-HT-1919	For 14-24 AWG wires	8.3"L	Red	**$14.95**	**$13.95**
227491	W-HT-1921	For 18-30 AWG wires	8.3"L	Yellow	**14.95**	**13.95**

D-Sub Pin Insertion/ Extraction Tools

19094/527582/223335:
Plastic body;
metal tips

★Web Code: BCD

223327:
Handle with .050" hex wrench
and exchangeable tips

19094/223335

527582

223327

Part No.	Mfr.	Product No.	Contact Size	1	10
19094	ValuePro	500-200	—	**$3.95**	**$3.49**
527582	AMP	91067-1	22	**9.49**	**8.75**
223335	AMP	91067-2ℛ	20DM/DF ...	**9.95**	**8.95**
223327	AMP	91285-1ℛ	HD-20.......	**19.95**	**18.95**

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts

Part No.	Mfr. Part No.	1	10
841838	**305183ℛ**	**$16.49**	**$14.49**

molex .093" Power Connector Kits

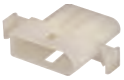
Kit contains mating sets of housings and pins.

- Voltage: 250VAC
- Temp. range: -40˚C to +105˚C

142181:
- 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts
- Current: 12A

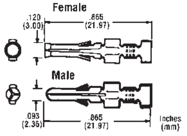
142201:
- 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts
- Current: 9A

★Web Code: CAV


Receptacle

Plug

Standard Crimp Contacts

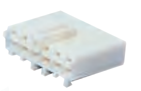


Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Mfr. Part No.	Description	1	10	100
142181	1545	2-pin kit	**$5.95**	**$5.49**	**$4.95**
142201	1490	4-pin kit	**5.95**	**5.49**	**4.95**

JAMECO ValuePro .098" (2.49mm) Pitch AT Power Connector

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25˚C to 85˚C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: 0.94"L x 0.25"W x 0.74"H
- Material: nylon



★Web Code: QAT

Order in multiples of 10

Part No.	Description	10	100
78327	6-pin female housingℛ	**$.25**	**$.22**

CLEAN CONTACTS WITH CRAIG/DEOXIT

See page 153 for details.

Part No.	Price
195004	**$16.95**

.118" Pitch ATX Power Connectors

★ Web Code: FEM

For Motherboards and Power Supplies

- Current rating: 7A AC/DC
- Temperature range: -25˚C to 85˚C

147379: Material: nylon 66, UL-94VO
- Material of post: tin-plated brass
- Diameter of post: 0.045"

147387: Material: nylon 66, UL-94VO

147395: Material: tin-plated brass
- Use crimping tool P/N 338678, pg 65

147379

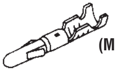
147387

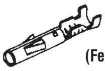
147395

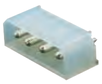
✳ Order in multiples of 10

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379	20-pin male connector	1.7"	0.4"	0.6"	—	—	$.49	$.45	$.39	$.35
147387	20-pin housing connector	1.7"	0.4"	0.8"	—	147395	.49	.45	.39	.35
147395	Power terminal pin, F	0.59"	—	—	0.068"	147387	✳	.12	.09	.07

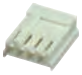
Power Connectors & Pins


42730 (Male for 42076)


42650 (Female for 42068)


109146

117568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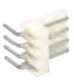
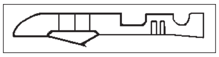

115000

42076 (Male)

42068 (Female)

JAMECO EXCLUSIVE


114922

Connector & Housing Specifications:
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:
- Material: tin plated brass
- Current rating: 1.5A
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 143

★ Web Code: KAP

.200" – For 5.25" Disk Drives & Power Supplies

42076 & 42068 Connector Housings:
- External key bar indicates pin 1
- Extraction tools, P/Ns 131887 & 131879 (see right)
- Keyed mating connectors

✳ Order in multiples of 10

Part No.	Description	1	10	100
109146	4-pin male vert. PCB mtgℛ	$.85	$.75	$.65
117568	4-pin male PCB mntg, horiz. edge mntℛ	.95	.85	.75
42076	4-pin male housingℛ	✳	.19	.15
42068	4-pin female housingℛ	✳	.19	.15
42730	Male crimp pin for 42076 ℛ	✳	.19	.15
42650	Female crimp pin for 42068 ℛ	✳	.15	.12

.100" – For 3.5" Disk Drives & Power Supplies

- Voltage rating: 250V AC, DC
- Insulation resistance: 1000MΩ min.
- Wire guage: 22-26 AWG

✳ Order in multiples of 10

Part No.	Description	1	10	100
114931	4-pin female housingℛ	$.35	$.29	$.25
114922	Female crimp pin for 114931 ℛ	✳	.19	.15
115000	4-pin male rt. angle PCB mountingℛ	.49	.45	.39

Milli-Grid™ Female Crimp Terminal

For 51110 Series Housings on left

- Lead free
- Contact material: phosphor bronze
- Plating contact: 0.38μm (15μ") gold
- Under plating: nickel

molex

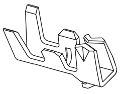
Order in multiples of 10

Part No.	Mfr. No.	AWG	10	100	500
668465	50394-8100ℛ	24-30 ..	$.15	$.12	$.09

molex Female Crimp Terminals

For above housings

- Contact material: phosphor bronze
- Plating contact: 0.9μm (35μ") tin
- Pre-plated



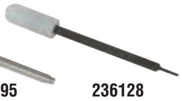
Order in multiples of 10

Part No.	Mfr. Part No.	AWG	10	100	500
668457	50079-8100ℛ	26-28 ..	$.09	$.08	$.07
668473	50058-8100ℛ	28-32	.09	.08	.07

Connector Extraction Tools

142156/142236

227467/227395


236128

Part No.	Mfr. Part No.	AWG	Conn. Size	1	5
142156	W-HT-2285	14	.062" ...	$14.95	$12.95
227467	W-HT-2023	18-30	.062"	12.95	11.95
142236	W-HT-2038	14	.093"	14.95	12.95
227395	W-HT-2054	14-30	.093"	12.95	11.95
236128	W-HT-1884	22-30	.100"	10.95	9.49

★ More Extraction Tools — Enter Web Code BAV

Extraction Tools for Crimp Terminals

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"

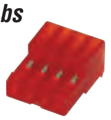
131887

Part No.	Description	1	5
131887	Male tool for 42730, left	$10.95	$9.95
131879	Male tool for 42650, leftℛ	9.95	8.95

AMP MTA-100 .100" (2.54mm) IDC Connector

Closed-End Style w/o Polarizing Tabs with Locking Ramp

★ Web Code: CCV



- Contacts: phosphor bronze, tin-plated
- Voltage rating: 250VAC
- Current rating: 5A

Order in multiples of 10

Part No.	Product No.	Pos.	AWG	Color	10	100	500
524710	640440-4	4	22	Red	$.22	$.19	$.17

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors
- Slotted blade

Part No.	Mfr. P/N	Description	1	5
365974	59803-1	.100" hand tool	$29.95	$26.95

.100" & 2mm Shorting Blocks

22024 (open)

112432 (closed)

152671 (closed)

- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color code strip line plugs
- Mate with male headers, above
- Pin material: phosphor bronze

★ Web Code: MAC

Open: Open on top to allow for a test point
Closed: Closed top
119264: 2mm (for disk drives)

Order in multiples of 10

Part No.	Description	10	100	500
22024	Top open, black (.100")ℛ	$.12	$.09	$.07
119264	Top open, black (2mm)ℛ	.12	.09	.07
112425	Top open, blue (.100")ℛ	.12	.09	.07
112417	Top open, red (.100")ℛ	.12	.09	.07
19141	Top closed, black (.100")ℛ	.12	.09	.07
112442	Top closed, blue (.100")ℛ	.12	.09	.07
112432	Top closed, red (.100")ℛ	.12	.09	.07
152671	Top closed, black tab (.100")ℛ ..	.15	.12	.09

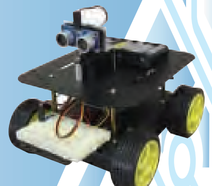
★ More IDC Connectors — Enter Web Code DCD

J-BOT: THE CUSTOMIZABLE DO-IT-YOURSELF ROBOT

Provide hour of fun for the beginner or intermediate robotician in your life!

Build a robot that can roam around freely without supervision. With the included PING))) ultrasonic sensor, the J-Bot can detect objects in its way and drive around them all by itself. Add an Arduino Uno mictrocontroller board (not included), and you're ready to program this little robot to perform any of your commands. For step-by-step instructions, visit www.Jameco.com/JBot.

Kit includes:
- (1) Solderless breadboard
- (1) 22 AWG jumper wire kit
- (1) 4WD mobile platform
- (1) 3-pin extension cable
- (1) Vertical header
- (1) 1/4 hex aluminum spacer
- (1) Philips pan-head screw
- (1) PING))) ultrasonic sensor
- (1) DC power plug
- (1) Arduino MotorShield kit
- (1) Servo motor
- (1) 6-AA battery holder
- (1) 4-40 hex nut



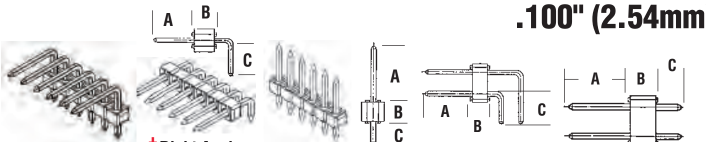
For more DIY kits, see pages 170-174

Part No.	1	5
2140285	$159.95	$149.95

★ Educational & Robotic Kits — Enter Web Code ERK

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

.100" (2.54mm) Male Headers



Right Angle Single Row | †Right Angle Single Row | Straight Single Row | Right Angle Double Row | Straight Double Row

Right Angle Single Row Male Headers

★Web Code: DAH

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
2120305	OST	PN3-230/120-021Wℛ	2	.21 x .10 x .10	Gold	✳	$.19	$.15
2076842	ValuePro	RMH5	5	.27 x .10 x .12	Gold	.29	.25	.19
2076851	ValuePro	RMH6	6	.27 x .10 x .12	Gold	.29	.25	.19
153728	ValuePro	RMH8	8	.27 x .10 x .12	Gold	.45	.39	.35
2076869	ValuePro	RMH26	26	.27 x .10 x .12	Gold	.59	.49	.39
103271	ValuePro	RMH36 (LP)ℛ†	36	.23 x .10 x .12	Gold	.95	.79	.65
1946041	ValuePro	RMH36AR (type A)ℛ	36	.27 x .10 x .22	Gold	.95	.79	.65

† Low profile

Straight Single Row Male Headers

★Web Code: TAM

✳ Order in multiples of 10 or 100

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")*	Plating	1	10	100
2076797	ValuePro	SMH01	1	.23 x .10 x .12	Gold	✳	$.09	$.08
222966	AMP	SMH01GT-43ℛ	1	.43 x .10 x .12	Gold/Tin	✳	.12	.10
2144884	ValuePro	SMH02	2	.23 x .10 x .12	Tin	.25	.19	.15
108338	ValuePro	SMH02ℛ	2	.23 x .10 x .12	Gold	.29	.25	.19
421489	AMP	103185-3	3	.23 x .09 x .12	Gold/Tin	.35	.29	.25
109576	ValuePro	SMH03ℛ	3	.23 x .10 x .12	Gold	.35	.29	.25
117560	ValuePro	SMH04ℛ	4	.23 x .10 x .12	Gold	.35	.29	.25
2120276	OST	PHI-787/120-041ℛ	4	.78 x .10 x .12	Gold	.29	.25	.19
2076789	ValuePro	SMH05	5	.23 x .10 x .12	Gold	.29	.25	.19
153700	ValuePro	SMH06ℛ	6	.23 x .10 x .12	Gold	.29	.25	.19
2076800	ValuePro	SMH07	7	.23 x .10 x .12	Gold	✳	.09	.07
153702	ValuePro	SMH08ℛ	8	.23 x .10 x .12	Gold	.35	.29	.25
2076818	ValuePro	SMH09	9	.23 x .10 x .12	Gold	✳	.15	.12
103393	ValuePro	SMH10ℛ	10	.23 x .10 x .12	Gold	.39	.35	.29
103377	ValuePro	SMH17ℛ	17	.23 x .10 x .12	Gold	.39	.35	.29
103369	ValuePro	SMH20ℛ	20	.23 x .10 x .12	Gold	.39	.35	.29
202825	ValuePro	SMH22	22	.23 x .10 x .12	Gold	.39	.35	.29
103351	ValuePro	SMH25ℛ	25	.23 x .10 x .12	Gold	.45	.39	.35
103342	ValuePro	SMH30ℛ	30	.23 x .10 x .12	Gold	.45	.39	.35
222991	AMP	SMH32GTℛ	32	.23 x .10 x .12	Gold/Tin	.45	.39	.35
2076826	ValuePro	SMH34	34	.23 x .10 x .12	Gold	.45	.39	.35
68339	ValuePro	SMH36ℛ	36	.23 x .10 x .12	Gold	.55	.39	.35
160882	ValuePro	SMH40ℛ	40	.23 x .10 x .12	Gold	.75	.65	.59
527654	AMP	4-102976-0	40	.32 x .09 x .12	Gold/Tin	3.49	2.95	2.59

*Dimension "A" has gold plating; dimension "C" has tin plating

Straight Triple Row Male Headers

★Web Code: FCC

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
2076885	ValuePro	933812TS	12	.23 x .10 x .12	Gold	✳	$.09	$.08
2076893	ValuePro	933824TS	36	.23 x .10 x .12	Gold	.55	.49	.45

Male Headers Grab Bag

★Web Code: GBS

Part No.	Cross Ref.	Description	Wt. (lbs.)	1	10
2095138	GB204	100 assorted .100" male headers (breakway) Straight, right angle, single and double row	0.3	$9.95	$8.95

Right Angle Double Row Male Headers

★Web Code: DAP

- Position: 4 is 2 rows of 2; 12 is 2 rows of 6 (example)

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
203917	ValuePro	923806DRℛ	6	.23 x .10 x .12	Gold	✳	$.09	$.08
203932	ValuePro	923810DR	10	.23 x .10 x .12	Gold	.35	.29	.25
2099930	ValuePro	923814DRT	14	.23 x .10 x .12	Tin	✳	.09	.07
203959	ValuePro	923814DR	14	.23 x .10 x .12	Gold	.29	.25	.19
203967	ValuePro	923816DR	16	.23 x .10 x .12	Gold	.39	.29	.25
53576	ValuePro	923820DRℛ	20	.23 x .10 x .12	Gold	.59	.55	.45
53583	ValuePro	9238260DR	26	.23 x .10 x .12	Gold	.65	.59	.49
53605	ValuePro	923840DRℛ	40	.23 x .10 x .12	Gold	.89	.79	.69
53612	ValuePro	923850DR	50	.23 x .10 x .12	Gold	.95	.85	.75
103413	ValuePro	923872DR	72	.23 x .10 x .12	Gold	1.09	.95	.85
139564	ValuePro	923880DRℛ	80	.23 x .10 x .12	Gold	1.39	1.25	1.09

Straight Double Row Male Headers

★Web Code: QCM

- Position: 4 is 2 rows of 2; 12 is 2 rows of 6 (example)

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC")	Plating	1	10	100
115027	ValuePro	923804DS	4	.23 x .10 x .12	Gold	✳	$.19	$.15
115035	ValuePro	923806DS	6	.23 x .10 x .12	Gold	.29	.25	.19
15158	ValuePro	DMH06T-30	6	.30 x .10 x .12	Tin	✳	.09	.08
15747	ValuePro	DMH06-30	6	.30 x .10 x .12	Gold	✳	.09	.08
2135312	ValuePro	FCN-724P008-AU/W	8	.23 x .10 x .12	Gold/Tin	✳	.15	.09
109516	ValuePro	923808DS	8	.23 x .10 x .12	Gold	.25	.19	.15
109517	ValuePro	7000-2x4SGℛ	8	.23 x .10 x .12	Gold	.39	.35	.29
67821	ValuePro	923810DSℛ	10	.23 x .10 x .12	Gold/Tin	.39	.35	.29
203810	ValuePro	923812DS	12	.23 x .10 x .12	Gold	.45	.39	.35
118456	ValuePro	923814DSℛ	14	.23 x .10 x .12	Gold	.55	.49	.45
109568	ValuePro	923816DSℛ	16	.23 x .10 x .12	Gold	.59	.55	.49
2076877	Various	923818DS	18	.23 x .10 x .12	Gold	.59	.55	.49
53480	ValuePro	923820DSℛ	20	.23 x .10 x .12	Gold	.69	.65	.59
203844	ValuePro	923824DS	24	.23 x .10 x .12	Gold	.85	.75	.65
53495	ValuePro	923826DS	26	.23 x .10 x .12	Gold	.85	.75	.65
2120292	OST	PH2-320/110-261ℛ	26	.30 x .10 x .12	Gold	.49	.45	.39
203852	ValuePro	923828DS	28	.23 x .10 x .12	Gold	.85	.75	.65
203861	ValuePro	923832DS	32	.23 x .10 x .12	Gold	.85	.75	.65
53517	ValuePro	923834DSℛ	34	.23 x .10 x .12	Gold	.85	.75	.65
203888	ValuePro	923836DSℛ	36	.23 x .10 x .12	Gold	.95	.85	.75
203895	ValuePro	923838DS	38	.23 x .10 x .12	Gold	.95	.85	.75
53532	ValuePro	923840DS	40	.23 x .10 x .12	Gold	.95	.85	.75
53560	ValuePro	923850DSℛ	50	.23 x .10 x .12	Gold	.95	.85	.75
68574	ValuePro	923860DS	60	.23 x .10 x .12	Gold	.95	.85	.75
103406	ValuePro	70002X36SG-Rℛ	72	.23 x .10 x .12	Gold	1.09	.95	.85
2120284	OST	PH2-230/135-805ℛ	80	.23 x .10 x .12	Tin	.85	.69	.55
117197	ValuePro	923880DSℛ	80	.23 x .10 x .12	Gold	1.25	1.09	.95

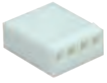
KK® Series .100" (2.54mm) Female Housings

★Web Code: LBN

- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 50kMΩ
- Voltage: 250V

Housing Material:

- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75˚C



234721

234801

Housing with Locking Ramp

✳ Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	1	10	100
234704	22-01-2027ℛ	2	✳	$.09	$.07
234712	22-01-2037ℛ	3	✳	.17	.11
234721	22-01-2047ℛ	4	.25	.22	.19
234739	22-01-2057ℛ	5	.35	.29	.19
234747	22-01-2067ℛ	6	.39	.35	.25
234771	22-01-2107ℛ	10	.65	.55	.39

Housing w/ Locking Ramp & Polarizing Ribs

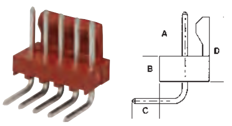
✳ Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	1	10	100
234798	22-01-3027ℛ	2	✳	$.15	$.09
234801	22-01-3037ℛ	3	.25	.22	.15
234819	22-01-3047ℛ	4	.35	.25	.19
234827	22-01-3057ℛ	5	.35	.25	.19
234835	22-01-3067ℛ	6	.49	.39	.29
234851	22-01-3087ℛ	8	.59	.55	.35
234878	22-01-3107ℛ	10	.65	.59	.45

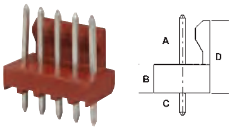
★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Headers, Housings & Crimp Terminals

.100" (2.54mm) Friction Lock Headers

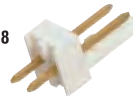


Right Angle Friction Lock



Straight Friction Lock

879588



★Web Code: GBN

Right Angle Friction Lock Headers

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
233437	Molex	22-05-3021ℛ	2	.26 x .13 x .14 x .32	Tin	✳	$.19	$.15
233445	Molex	22-05-3031ℛ	3	.26 x .13 x .14 x .32	Tin	.35	.29	.25
233453	Molex	22-05-3041ℛ	4	.26 x .13 x .14 x .32	Tin	.39	.35	.29
233461	Molex	22-05-3051ℛ	5	.26 x .13 x .14 x .32	Tin	.45	.39	.35
233470	Molex	22-05-3061ℛ	6	.26 x .13 x .14 x .32	Tin	.59	.55	.49
348277	ValuePro	641216-6	6	.30 x .10 x .14 x .31	Gold	✳	.19	.15
348315	ValuePro	4-641216-0ℛ	10	.30 x .10 x .14 x .31	Gold	.29	.25	.19

Straight Friction Lock Headers

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
232266	Molex	22-23-2021ℛ	2	.30 x .13 x .14 x .32	Tin	✳	$.12	$.09
613931	AMP	640456-2ℛ	2	.30 x .10 x .14 x .31	Tin	✳	.12	.09
233584	Molex	22-11-2022ℛ	2	.30 x .13 x .14 x .32	Gold	.35	.29	.25
879588	Molex	22-29-2021ℛ	2	.30 x .13 x .14 x .46	Gold	.35	.29	.25
232274	Molex	22-23-2031ℛ	3	.30 x .13 x .14 x .32	Tin	✳	.15	.12
879271	Molex	22-27-2031ℛ	3	.30 x .13 x .14 x .46	Tin	.45	.35	.29
233592	Molex	22-11-2032ℛ	3	.30 x .13 x .14 x .32	Gold	.55	.49	.45
232282	Molex	22-23-2041ℛ	4	.30 x .13 x .14 x .32	Tin	✳	.15	.12
348074	ValuePro	641215-4	4	.30 x .10 x .14 x .31	Gold	.39	.35	.29
232291	Molex	22-23-2051ℛ	5	.30 x .13 x .14 x .32	Tin	✳	.19	.15
348082	ValuePro	641215-5	5	.30 x .10 x .14 x .31	Gold	✳	.15	.12
232303	Molex	22-23-2061ℛ	6	.30 x .13 x .14 x .32	Tin	.35	.29	.25
232320	Molex	22-23-2081ℛ	8	.30 x .13 x .14 x .32	Tin	.45	.39	.35
348111	ValuePro	641215-8	8	.30 x .10 x .14 x .31	Gold	✳	.19	.15
687914	Leoco	2571P09V000ℛ	9	.30 x .13 x .14 x .32	Tin	✳	.05	.04
232346	Molex	22-23-2101ℛ	10	.30 x .13 x .14 x .32	Tin	.35	.29	.25

KK® Series .100" (2.54mm) Crimp Terminals

- Current: phosphor bronze – 4.0A max.; brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736456736501/234923/234931: brass; 2120495/736595/462969/463005: phosphor bronze

★Web Code: JCT

234931

462969

463005

Bulk Packaged

Order in multiples of 10

Part No.	Mfr. Part No.	Plating	10	100	1000
736501	08-50-0113ℛ	Tin*	$.05	$.04	$.03
234923	08-50-0114ℛ	Tin	.06	.05	.04
234931	08-55-0102ℛ	15μ" gold	.15	.12	.11
736595	08-52-0123ℛ	Tin	.09	.08	.07
462969	08-65-0805ℛ	Tin (cat ear)	.09	.08	.07
2120495	2513T†	Tin (cat ear)	.07	.06	.04
463005	08-65-0816ℛ	15μ" gold	.19	.15	.13

*Cut tape packaging †Manufacturer: Jameco ValuePro

.100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

Single Row

- Housing: black glass filled polyester, UL94V-0

884301

884328

Version A, Non-polarized

★Web Code: VDD

Part No.	Mfr. Part No.	Pos.	1	10	100
884301	50-57-9002ℛ	2	$.25	$.22	$.15

Version G, Positive Latch

Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	10	100
884328	50-57-9402ℛ	2	$.19	$.15

Female Crimp Terminals

741685

Order in multiples of 10

Part No.	Mfr. Part No.	AWG	Plating	10	100
741685	16-02-0103ℛ	22-24	15μ" gold	$.09	$.08
741677	16-02-0086ℛ	22-24	Tin	.07	.06

KK® Series .100" (2.54mm) Pitch Crimp Terminal

- Female
- 22-30 AWG

Order in multiples of 10

Part No.	Mfr. Part No.	Plating	10	100	1000
736456	08-50-0005ℛ	Tin/copper	$.15	$.12	$.09

.118" (3.00mm) Micro-Fit Crimp Terminals

Female (1)

Male (2)

A: phosphor bronze, tin
B: phosphor bronze, 15μ" gold
C: phosphor bronze, 30μ" gold

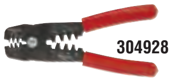
★Web Code: UBW

Order in multiples of 10

Part No.	Mfr.	Product No.	Type	AWG	10	100
337720	ValuePro	43030-0007ℛ	1A	20-24	$.09	$.08
883093	Molex	43030-0007ℛ	1A	20-24	.12	.09
337738	ValuePro	43030-0009ℛ	1B	26-30	.15	.12
337746	ValuePro	43030-0010ℛ	1A	20-24	.12	.09
337762	ValuePro	43031-0007ℛ	2A	20-24	.09	.08
883253	Molex	43031-0009ℛ	2C	20-30	.12	.09
337789	ValuePro	43031-0010ℛ	2A	26-30	.05	.04

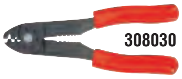
Hand Tools for Mini-Fit Jr.™

★Web Code: GBU

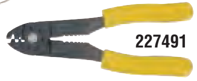


304928

304936



308030



227491

304928: Crimp tool wire range from 14-24 AWG, 8.5"L
304936: Extraction tool, 3.5"L
308030: Cuts & strips 14-24 AWG, 8.3"L
227491: Cuts & strips 18-30 AWG, 8.3"L

Part No.	Mfr.	Mfr. Part No.	1	5
304928	Molex	63811-1000	$49.95	$44.95
304936	Molex	11-03-0044	19.95	18.95
308030	GC/Waldom	W-HT-1919	14.95	13.95
227491	GC/Waldom	W-HT-1921	14.95	13.95

★More .156" Housings Online — Enter Web Code CRH

.156" (3.96mm) JST Type Crimp Terminal and Tool

Crimp Terminal

- 18-22 AWG
- Female
- Tin-plated brass

Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	10	100
2124630	ValuePro	96Tℛ	$.05	$.04

JST Crimp Tool

227491	GC/Waldom	W-HT-1921	$14.95	$13.95

.165" (4.19mm) Mini-Fit Jr.™ Type Terminals

Male (1)

Female (2)

A: Tin over nickel over brass
B: 15μ" gold over nickel over brass

★Web Code: CBX

Order in multiples of 10

Part No.	●Mfr.	Prod No.	Type	AWG	10	100	1000
401824	JVP	4257T2-LP	1A	18-24	$.09	$.08	$.07
401701	JVP	4256T2-LP	2A	18-24	.09	.08	.07
365835	JVP	4256T3-G3ℛ	2B	16	.29	.25	.22
401859	JVP	4257T2-G15-LP	1B	18-24	.25	.19	.15
401736	JVP	4256T2-15GCℛ	2B	18-24	.35	.29	.25
304725	MOL	39-00-0041	1A	18-24	.09	.08	.07
304733	MOL	39-00-0039	2A	18-24	.07	.06	.05
304872	MOL	39-00-0047	2A	22-28	.14	.10	.08

4000-Piece Reels

Part No.	●Mfr.	Prod No.	Type	AWG	Price/each
307985	MOL	39-00-0040	1A	18-24	$.03
307993	MOL	39-00-0038	2A	18-24	.03

●JVP = Jameco ValuePro; MOL = Molex

ENCLOSED AC-TO-DC POWER SUPPLIES

Have the power at your hands for a low price! Find the entire selection on pages 119-123.

Part No.	Output	Price
1919051	12V@1.3A	$16.95
323388	5V@10A	23.95

★Web Code: EPS

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

.156" (3.96mm) Headers, Housings and Crimp Terminals

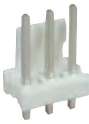


Fig. 1

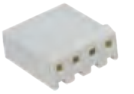


Fig. 3

- Wire-to-board applications
- End-to-end stackable styles
- Insulator: polyester, UL 94V-0
- Housing: nylon, UL 94V-0

★Web Code: HHT

Headers

✳ Order in multiples of 10

Straight Friction Lock – Brass/Tin (Fig. 1)

Part No.	Mfr.	Product No.	Pos.	1	10	100
879861	Molex	26-60-4020ℛ	2	✳	$.19	$.15
231546	AMP	640445-2ℛ	2	✳	.19	.15
879887	Molex	26-60-4030ℛ	3	.29	.25	.19
104792	ValuePro	LMH4ℛ	4	.29	.25	.19
879941	Molex	26-60-4060ℛ	6	.35	.29	.25

Housings

With Locking Ramp (Fig. 2)

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	1	10	100
463435	Molex	09-50-3031ℛ	3	✳	$.19	$.15
104433	ValuePro	7900F-3ℛ	3	✳	.12	.09
463443	Molex	09-50-3041ℛ	4	✳	.19	.15
236161	AMP	640250-4ℛ	4	✳	.15	.12
104716	ValuePro	7900F-4ℛ#	4	✳	.15	.12
104724	ValuePro	7900F-5ℛ#	5	✳	.09	.07
104732	ValuePro	7900F-6ℛ	6	✳	.19	.15
104766	ValuePro	7900F-10#	10	.25	.19	.15

# Use with crimp pin 78319, below

Crimp Terminals

- Plating: **A:** brass/tin;
  B: phosphor bronze/tin

Order in multiples of 10

Part No.	Mfr.	Product No.	Plating	AWG	10	100
736544	Molex	08-50-0189ℛ	A	18-20	$.07	$.06
736561	Molex	08-52-0072ℛ	B	18-20	.07	.06
736587	Molex	08-52-0113ℛ†*§	A	18-20	.06	.05
736481	Molex	08-50-0106ℛ	A	18-24	.06	.05
1960687	Molex	08-70-1031ℛ§	A	18-24	.06	.05
248866	AMP	640706-1	A	18-24	.25	.19
248874	AMP	640706-2ℛ	A	18-24	.19	.15
248903	AMP	770522-1	B	18-24	.25	.19
78319	ValuePro	JS-5001-Tℛ§	A	18-24	.05	.04

†Trifurcon *Cat ear § Cut tape

★*1.65" (4.19mm) Mini FIT Jr.™ Type Terminals Available Online — Enter Web Code CBX*

Tools for Micro-Fit Connectors

338678

338669

Part No.	Cross Ref. No.	Description	Length	1	5
338678	HT-225Dℛ	Crimp	8.25"	$24.95	$22.49
338669	11-03-0043	Extraction	3.0"	14.95	13.49

ARDUINO SHIELD PASS-THROUGH HEADERS

P/N 2137756

Includes two 8-pin and two 6-pin single row headers w/ 15mm leads

.100" (2.54mm) Keyed Shrouded Headers & Connectors

CD-ROM 4-Pin

★Web Code: XAW

152741

152726

152734

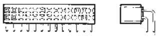
- Low profile
- Voltage rating: 250VAC/DC
- Current rating: 3A AC/DC
- Insulation res.: 1000MΩ min.
- Pin material: tin-plated brass
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/ 1 min.
- Recommend crimp tool P/N 99443, pg 143

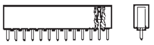
✳ Order in multiples of 10

Part No.	Description	1	10	100
152741	Straight header	$.55	$.49	$.45
152726	Rt. angle headerℛ	.65	.59	.55
152734	Single w/ latchℛ†	.55	.49	.45
181673	Female pins	✳	.07	.05

† P/N 152734 requires 4 pins (P/N 181673)

.100" (2.54mm) Female Header Receptacles


Right Angle


Straight

- Gold-plated contacts (†tin-plated)

★Web Code: RAH

Single Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
2100321	ValuePro	8	$.49	$.45	$.35

Double Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
71159	ValuePro	20	$.99	$.89	$.79

Single Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100
70755	ValuePro ℛ	8	$.55	$.45	$.35
2133456	ValuePro ℛ	10	.65	.55	.45
200783	ValuePro ℛ	12	.75	.65	.55
308592	ValuePro ℛ	16	.89	.79	.65
308567	ValuePro ℛ	20	.95	.85	.75

Double Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100
70721	ValuePro ℛ	16	$.95	$.85	$.75
70827	ValuePro ℛ	20	1.19	.99	.89
105057	ValuePro ℛ	30	1.25	1.09	.95
163862	ValuePro	34†	.99	.89	.79
111705	ValuePro ℛ	40	1.39	1.25	1.09

★*.200" Drive Power Connectors & Crimp Terminals Available Online — Enter Web Code ABU*

.100" (2.54mm) Low Profile Male Shrouded Headers

Straight Double Row

68180

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Contact: phosphor bronze, gold plated
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Use with IDC socket connectors, right

★Web Code: JAH

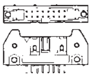
Part No.	Cross Ref. No.	Pos.	1	10	100
67812	7110-10SGℛ	10	$.59	$.49	$.39
2100304	7110-14SGℛ	14	.59	.49	.39
68180	7110-16SGℛ	16	.65	.55	.45
68292	7110-20SGℛ	20	.65	.55	.45
68372	7110-26SGℛ	26	.69	.59	.49
68583	7110-34SGℛ	34	1.09	.89	.75
181105	7110-40SGℛ	40	1.45	1.19	.99
2100312	7110-50SGℛ	50	1.59	1.25	1.09

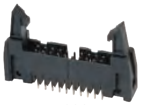
.100" (2.54mm) Straight Male Headers

Double Row w/ Standard Latch

★Web Code: VAQ

- 0.1" contact center
- Mount vertical
- Keying slot
- Use w/ IDC socket connectors, below




71830

✳ Order in multiples of 10

Part No.	Mfr.	Pins	1	10	100
117664	ValuePro	10-pinℛ	$.69	$.59	$.55
71830	ValuePro	20-pinℛ	.99	.89	.79
2076375	CW Ind.	20-pinℛ†	.49	.45	.35
71933	ValuePro	26-pinℛ	1.09	.99	.89
1928177	On Shore	34-pin	✳	.19	.15
1928185	On Shore	34-pin†	✳	.19	.15
72216	ValuePro	50-pinℛ	1.65	1.49	1.35

† Right angle

.100" (2.54mm) & .079" (2mm) IDC Socket Connectors

Double Row

32564

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 63)
- Contact material: phosphor bronze w/ 1μ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimper P/N 73252, below
- Include strain relief

★Web Code: QAE

JAMECO EXCLUSIVE

Polarized

✳ Order in multiples of 10

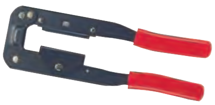
Part No.	Cross Ref. No.	Contacts	1	10	100
32492	8000-10ℛ	10	$.35	$.29	$.25
153948	8000-14ℛ	14	.39	.35	.29
119467	8000-16ℛ	16	.45	.39	.35
32522	8000-20ℛ	20	.49	.45	.39
32564	8000-26ℛ	26	.55	.49	.45
32644	8000-34ℛ	34	.59	.55	.49
32679	8000-40ℛ	40	.65	.59	.55
100386	110-44	44 (2mm)	✳	.15	.12
32708	8000-50ℛ	50	.69	.65	.59

Non-Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100
138376	8000-10NE	10	$.35	$.29	$.25
138325	8000-20NE	20	.35	.29	.25
138333	8000-26NE	26	.39	.35	.29
138341	8000-34NE	34	.45	.39	.35
138350	8000-40NE	40	.49	.45	.39

IDC Connector Crimping Tool

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.



Part No.	Mfr. Part No.	1	10	25
73252	HT214ℛ	$15.95	$14.39	$12.95

★*Four Wall Headers Online — Enter Web Code LDV*

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

.100" (2.54mm) IDC Ribbon Connectors

Center and Military Polarized Receptacles

- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating

Contact Plating:

A: 30µ" gold, 50µ" min. tin
B: 15µ" gold, 100µ"~200µ" tin
C: 15µ" gold, 100~200µ" tin lead, all over 50µ" min. nickel
D: 30µ" gold,100~200µ" bright tin lead, all over 50µ" nickel

525317

525376

★ Web Code: RDM

1578111

526045

Part No.	Mfr.	Mfr. Part No.	Pos.	Plating	1	10	100
901642	AMP	1658622-1ℛ	10	A	$1.49	$1.35	$1.19
525309	AMP	746285-1	10	C	1.25	1.09	.99
742215	AMP	1658621-1ℛ	10	B	1.09	.95	.85
1578082	3M	89110-0101ℛ	10	A	.99	.89	.79
525317	AMP	746285-2	14	C	1.49	1.25	.95
525325	AMP	746285-3	16	C	1.59	1.39	1.15
1578111	3M	89116-0101ℛ	16	A	.95	.85	.75
525333	AMP	746285-4	20	C	1.65	1.55	1.39
525413	AMP	746288-6	26	D	1.75	1.49	1.25
525350	AMP	746285-8	34	C	1.95	1.75	1.49
525368	AMP	746285-9	40	C	1.95	1.75	1.55
525376	AMP	1-746288-0	50	D	2.95	2.59	2.39

Strain Relief for NOVO Receptacles

Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Pos.	10	100
526045	AMP	499252-5ℛ	10	$.22	$.19

Arbor Press, IDC Kit and Cable Cutter

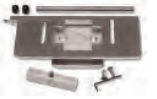
2082601: 502 Arbor Press

- Precision ¼ ton (227kg) pressure
- 4 adjustable nylon gibs provide exceptional arm control
- Base footprint: 3.7" x 7" with 4 counter sunk holes
- 8" arm

2082601

2082610: 506 IDC Kit

- For low volume mass termination (up to 64-pin conductor wire) of various IDC connectors on ribbon cables
- For independent repair technicians and in-house service


2082610

27182: 507 Cable Cutter

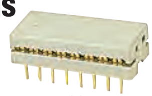
- Perfect right angle cut
- Accommodates up to 68-pin, 14 AWG, 3.22"W flat ribbon cable
- Spring loaded blade arm

27182

Part No.	Mfr. P/N	Description	1	5
2082601	502ℛ	Arbor press	$174.95	$159.95
2082610	506ℛ	IDC kit	59.95	53.95
27182	507ℛ	Cable cutter	67.95	60.95
27203	510ℛ	Base plate	29.95	27.95

.100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 52
- Plastic with gold-plated contacts
- Current rating: 1A


42674

★ Web Code: KEF

Part No.	Cross Ref.	Width	Contacts	1	10	100
42658	8200-14ℛ	0.3"	14	$.49	$.45	$.39
42674	8200-16ℛ	0.3"	16	.59	.55	.49
104097	8200-20ℛ	0.3"	20	.69	.59	.55
42691	8200-24ℛ	0.6"	24	.79	.69	.59
99670	8200-28	0.6"	28	.89	.79	.69
42712	8200-40ℛ	0.6"	40	.99	.89	.79

.100" IDC Plug Connector

Double Row

JAMECO EXCLUSIVE

- Shrouded header without mounting ears
- Plastic
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, pg 65

Part No.	Cross Ref.	Contacts	1	10	100
29217	8400-50	50	$.99	$.89	$.79

IDC Centronics Connector

- Contact material: gold plated phosphor bronze; plastic casing
- Current rating: 1 amp
- Temp. rating: -55°C to +105°C
- Use 73252 IDC crimping tool, pg 65

★ Web Code: VAJ

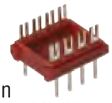
Part No.	Description	1	10	100
13849	36-pin maleℛ	$1.49	$1.35	$1.19

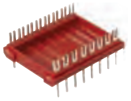
DIP Headers

★ Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temperature: 221˚F (105˚C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads


291120


291574

Part No.	Mfr. Part No.	Pos.	Width*	1	10	100
291120	08-600-10ℛ	8	0.3"	$1.29	$1.15	$.99
291312	14-600-10ℛ	14	0.3"	1.39	1.29	1.19
291574	16-600-10ℛ	16	0.3"	1.79	1.65	1.45
291996	24-600-10ℛ	24	0.6"	2.25	2.09	1.95

* Center to center pin width

.100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188"
- 0.1" spacing between leads

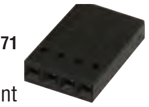
37331

★ Web Code: XBS

Part No.	Mfr. Part No.	Width	Pins	1	10	100
104337	08P-2ℛ	0.3"	8	$1.09	$.99	$.89
37130	14P-2ℛ	0.3"	14	1.25	1.09	.99
37331	16P-2ℛ	0.3"	16	2.95	2.75	2.49

AMPMODU™ .100" (2.54mm) Receptacle Housing & Contacts

Single Row, Non-Polarized, Crimp Snap-In (MOD IV)


526871

- No PC with UMN
- Black thermoplastic, flame retardant

Part No.	Mfr. Part No.	Pos.	Width	1	10	100
526871	87499-3ℛ	2	0.205"	$.79	$.75	$.69
526889	87499-5ℛ	3	0.305"	.95	.85	.75

Standard Pressure Receptacle Contacts (MOD IV)

- Material: phosphor bronze
- No PC with UMN
- Plating:

527419

527486

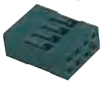
527419: 15µ" gold in contact area, 100µ" – 200µ" bright tin lead, all over 50µ" nickel
527486: Pre-plated 50µ" – 150µ" bright tin
895844: Short point; 22-26 AWG; 50µ" nickel entire area; 15µ" gold in contact area

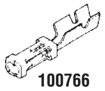
✳ Order in multiples of 10

Part No.	Mfr. Part No.	1	10	100
527419	87523-6	$.39	$.35	$.29
527486	1-87523-6ℛ	✳	.19	.15
895844	104480-3	✳	.15	.12

.100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins

103191


103254


100766

145358

- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 63)
- Current rating: 1A
- Housing material: plastic
- Pin material: brass/tin plated
- 26-22 AWG
- Temp. rating: -55°C to +105°C
- Use crimper P/N 159266, pg 143

★ Web Code: YAL

Single Row

✳ Order in multiples of 10

Part No.	Cross Ref. No.	Contacts	1	10	100
100812	SCH2ℛ	2	✳	$.19	$.15
157383	SCH3ℛ	3	.35	.29	.25
100803	SCH4ℛ	4	.35	.29	.25
163686	SCH5	5	.39	.35	.29
103212	SCH6ℛ	6	.45	.39	.35
103203	SCH8ℛ	8	.49	.45	.39
103191	SCH10ℛ	10	.55	.49	.45
103182	SCH20ℛ	20	.59	.55	.49
103158	SCH36ℛ	36	.65	.59	.55

Double Row

★ Web Code: SAM

Part No.	Cross Ref. No.	Contacts	1	10	100
103254	DCH8ℛ	8	$.49	$.45	$.39
157421	DCH10ℛ	10	.55	.49	.45
157438	DCH14	14	.55	.49	.45
103238	DCH16ℛ	16	.55	.49	.45
103230	DCH20ℛ	20	.59	.55	.49
157472	DCH50ℛ	50	.35	.29	.25

Crimp Pins for Single/Double Row Housings

- Order in multiples of 10

★ Web Code: XAL

Part No.	Cross Ref. No.	Description	10	100	500
100766	FCH1ℛ	Female pin	$.19	$.15	$.12
145358	MCH1ℛ	Male pin	.19	.15	.12

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

PCB Centronics Connector

- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body • PC mount

★Web Code: VAJ

Part No.	Description	1	10	100
72151	36-contact F, rt angle	$1.95	$1.75	$1.49

★Keyboard Adapters Online — Enter Web Code RAV

PC Card-Edge Connectors

- Fits all PC boards • 0.054" to 0.070" thick

Solder Tail 0.100" Spacing Between Rows

- Contact centers: 0.100" (2.54mm)
- Without mounting ears
- Gold flash contact area, tin/lead on solder posts

Part No.	Mfr.	Positions	1	10	100
2133536	AMP/Tyco	30/60	$2.95	$2.65	$2.39

Solder Tail 0.200" Spacing Between Rows

1945049

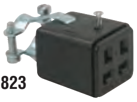
- Contact centers: 0.200"
- No mounting ears • Tin

Part No.	Mfr.	Positions	1	10	100
40694	ValuePro	31/62 (PC/AT)	$.39	$.35	$.29
1945049	ValuePro	50/100	.49	.35	.29

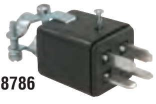
★Card Edge Connectors Online — Enter Web Code XEE

CINCH Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors



248823



248786

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic

Sockets with Hood and 180˚ Clamp ★Web Code: WBP

Part No.	Mfr. Part No.	Contacts	1	10
248807	S-302H-CCTℛ	2	$3.49	$3.09
248823	S-304H-CCTℛ	4	3.95	3.65
248831	S-306H-CCTℛ	6	4.75	4.25

Plugs with Hood and 180˚ Clamp

Part No.	Mfr. Part No.	Contacts	1	10
248760	P-302H-CCTℛ	2	$3.35	$2.95
248786	P-304H-CCTℛ	4	4.25	3.95
248794	P-306H-CCTℛ	6	4.49	4.25

USB to Serial (RS-232) Adapter

Parallax has designed a USB to Serial (RS-232) adapter that is compact and economical to provide a Virtual Com Port for all of our products that have DB9 (9-pin) serial connectors.
Updated FTDI USB drivers for Windows® are included in the latest versions of the BASIC Stamp Editor, Propeller Tool, and SX-Key IDE software packages. You may also download the Windows drivers seperately from our site (see www.Jameco.com for more details).

Part No.	Mfr. Part No.	1	10
2109456	28030	$16.95	$15.95

Mini DIN & DIN Panel Mount Female Sockets

- With solder lugs
- Metal body

★Web Code: FAB

2076762

15852

Part No.	Cross Ref. No.	Description	1	10	100
2076754	MDPM5	5-pin mini DIN	$.49	$.45	$.39
2076762	MDPM6ℛ	6-pin mini DIN	1.39	1.25	.99
2076771	MDPM8ℛ	8-pin mini DIN ...	.69	.65	.59
15844	DINJ5ℛ	5-pin DIN	.99	.79	.69
15852	DINJ6ℛ	6-pin DIN	1.15	.95	.85
15861	DINJ8ℛ	8-pin DIN	1.29	.99	.89

Mini-DIN & DIN PC Mount Female Sockets

29399

140791

2125819

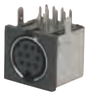
2144796

- Set back: 0.5"

29399: Plastic body

119475: Plastic/metal body

★Web Code: DMS



207722

Unshielded (DIN) – Right Angle

✳ Order in multiples of 10

Part No.	Product No.	Description	1	10	100
29399	RD5	5-pin DIN	$.75	$.65	$.49

Shielded (Mini DIN & DIN) – Right Angle

Part No.	Product No.	Description	1	10	100
140791	MDR4S	4-pin mini DIN	... ✳	$.09	$.08
2125819	MXS4 (SMT)	4-pin mini DIN	... ✳	.09	.08
2076720	MDR5S	5-pin mini DIN	.. ✳	.19	.15
119475	MDR6Sℛ	6-pin mini DIN	.89	.79	.69
2144796	84376-1*	6-pin mini DIN	1.75	1.49	1.25
207722	MDR8S	8-pin mini DIN	.55	.49	.45
2076746	MDR9S	9-pin mini DIN	.39	.35	.29

*Dual stacked 6-pin mini DIN

DIN Connector Cables

The sockets need to fit with the right cables. Check out all the available DIN cables on page 163, or visit www.Jameco.com.

★Web Code: HAE

111053

Part No.	Description	1	10	100
111053	10', 6-pin mini DIN male to female	$4.95	$4.49	$3.95
174772	6', 6-pin mini DIN male to male ...	2.95	2.49	1.95

Mini-DIN & DIN Plugs & Receptacles

★Web Code: DAV

177236

15887

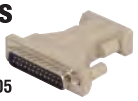
- Solder barrels w/ strain relief
- See pg 51 for cable

JAMECO EXCLUSIVE

Part No.	Pins	Type	1	10	100
142262	6	Mini DIN plugℛ	$.95	$.85	$.75
111878	8	Mini DIN plugℛ	.99	.89	.75
177236	8	Mini DIN receptacle	.85	.75	.65
15879	5	DIN plugℛ	.59	.49	.39
180873	5	DIN receptacle	.69	.55	.49
15887	6	DIN plugℛ	.69	.55	.49
15895	8	DIN plugℛ	.75	.59	.55

D-Sub 9-Pin to 25-Pin Serial Adapters

- For use in AT or other computer systems that have 9-pin D-sub serial ports



10305

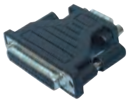
664296: Thumbscrews on both sides

★Web Code: AAA

10321: For PC/XT systems with DB25 serial ports.

163740/153576: For PC/XT systems with DB25 serial ports.

163740



153576

Part No.	Description	1	10	100
10305	DB9 F to DB25 M	$2.95	$2.49	$1.95
664296	DB9 M to DB25 M	.99	.85	.75
10321	DB9 M to DB25 F	3.95	3.69	3.39
163740	DB9 M to DB25 F, ... thumbscrews on DB9 side only	1.25	1.09	.95
153576	DB9 M to DB25 F, ... thumbscrews on DB25 side only	1.49	1.35	1.19

Slim-Line D-Sub Gender Changers

119320

119301

170085

For Confined Applications!

★Web Code: YAB

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male) • Tin plated shells
- Captive locking nut (female) • Grounding tangs (male)

Part No.	Description	1	10	100
18498	9-pin male to maleℛ	$2.49	$2.25	$1.95
18489	9-pin female to female	2.49	2.25	1.95
2138601	9-pin male to female	2.49	2.25	1.95
119320	15-pin female to female HDℛ	2.75	2.49	2.25
119301	15-pin male to male HD	2.75	2.49	2.25
18447	25-pin male to maleℛ	2.95	2.65	2.39
18420	25-pin female to female	2.95	2.65	2.39
170085	25-pin male to female (pass thru)	2.95	2.65	2.39

Computer Card Brackets

- For securing cards into bus slots
- Fits PC/XT/AT cases
- Length: 4.75"
- See pg 59 for DB connectors

11755

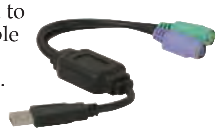
101733

101831

Part No.	Description	1	10	100
11755	Blank back panelℛ	$1.39	$1.25	$1.09
101733	For DB25 connector	.49	.19	.15
101831	For DB9/DB25 conn.ℛ	.79	.75	.65

velleman PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.



- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	5	25
645351	13"	USB adapter	$9.95	$8.95	$7.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

USB-A & B Connectors

★ Web Code: DAZ

1.0 & 2.0 Female Connectors

USB connections have become a standard communication interface on all the new electronics. Don't let your project and older electronics get left behind. Simply add a USB port with these connectors and crimp pins.

- PC mount right angle with board locks

✳ Order in multiples of 10 or 100

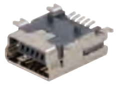
Part No.	Mfr.	Product No.	Description	1	10	100
2096181	Adamtech	USB-A-S-RAℛ	USB-A, right angle	$.49	$.45	$.39
2097011	Adamtech	USB-A-S-VTℛ	USB-A, vertical	.49	.45	.39
161024	ValuePro	1040ℛ	USB-A 1.0	.99	.89	.79
2076551	KobiConn	UAR64-8W2100	USB-A 2.0, dual port	.75	.69	.39
2096261	Adamtech	MUSB-B5-S-RA-SMTℛ	Mini USB-B, right angle, surface mount	.99	.89	.79
2096245	Adamtech	USB-B-S-RAℛ	USB-B, right angle	.39	.35	.29
230958	ValuePro	USB-B-S-RA-WTℛ	USB-A 2.0, right angle, white insulator	1.09	.99	.89
159724	ValuePro	20-P025G	Male crimp pin for USB 1.0	✳	✳	.009
230965	ValuePro	TATBA000K	Male crimp pin for USB 2.0	✳	✳	.009

2096181

2097011

161024

2076551


2096261

2096245

230958

230965

ADAM TECH

Displayport Receptacles

Displayport receptacles are royalty free products that can be used in any application where an HDMI connection was previously required.

★ Web Code: DPP

- 15μ gold plating

2114212

2114247

Part No.	Mfr. Part No.	Description	Type	Mounting Style	1	5	100
2114212	DPC-F-S-RA-SMT-P-15ℛ	Displayport, receptacle, right angle	SMT	Surface mount	$1.95	$1.75	$1.49
2114247	MDPC-S-RAℛ	Mini displayport, receptacle, right angle	DIP	Through hole	1.75	1.49	1.25

OUR BEST SELLING USB CABLES

Complete your USB connectors with these USB cables for fast data transfer and communication.

★ Web Code: NAV

Part No.	Mfr. Part No.	Description	1	10	100
2095218	USB-6ABℛ	6', USB-A 3.0 male to USB-B 3.0 male	$5.49	$4.95	$4.49
222050	10U2-02115-BKℛ	15', USB-A 2.0 male to USB-A 2.0 male	3.25	2.95	2.65
673694	10U2-15106ℛ	6', USB-A 2.0 male to 5-pin mini USB-B 2.0	2.75	2.45	2.25

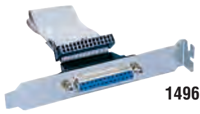
Complete lineup see pages 163-164

Panel Bracket Cable Assemblies

★ Web Code: RAX

- Standard back panel bracket
- Length: 12"
- Ribbon cable with header connector

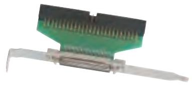
355688: 1 serial port
1952265149623:
1 parallel port


149623

Part No.	Description	1	10	100
355688	DB9M to 10-pin header F	$1.49	$1.35	$1.19
1952265	DB9F to 10-pin header F	1.49	1.35	1.19
149623	DB25F to 26-pin header Fℛ	3.95	3.59	3.25

SCSI Adapter

- 50-pin ribbon header to HPDB50 female SCSI II

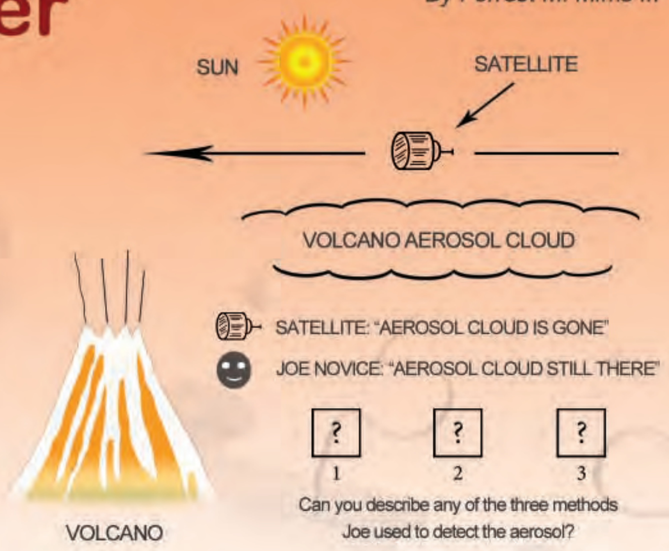


Part No.	Description	1	10
125241	50-pin header to HPDB50 F	$2.95	$2.49

Jameco Puzzler

By Forrest M. Mims III

Satellites provide global coverage of clouds, water vapor, dust, smoke and the ozone layer. The colorful images provided by the data from these satellites looks very impressive. But satellite instruments don't always stay calibrated and problems can occur when satellite orbits drift. Amateur scientist, Joe Novice learned about this when he heard a satellite scientist say that the global aerosol cloud formed by the eruption of a giant volcano had dissipated much sooner than expected. Joe suspected the satellite was simply wrong, but he was not a satellite scientist. How did he use some everyday items and several electronic components to prove he was right?


SUN
SATELLITE
VOLCANO AEROSOL CLOUD
SATELLITE: "AEROSOL CLOUD IS GONE"
JOE NOVICE: "AEROSOL CLOUD STILL THERE"
?
1
?
2
?
3
VOLCANO

Can you describe any of the three methods Joe used to detect the aerosol?

For the answer go to www.Jameco.com/search13

High-Frequency Connectors & Adapters

153454

159469

153593

159477

1951764

1951721

207168

114789

207176

114753

114770

174255

309657

311693

223837

668377

668385

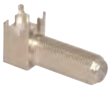
296454

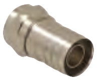
659294

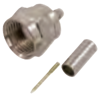
291725

295371

295380


1952943


289887


2099737

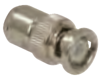


Fig. 1

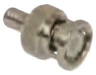


Fig. 2

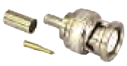


Fig. 3

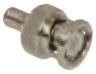


Fig. 4

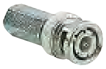


Fig. 5

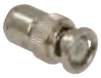


Fig. 6

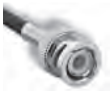


Fig. 7

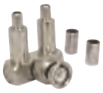


Fig. 8

RF Adapters

★Web Code: RFS

Part No.	Manufacturer	Product No.	Description	1	10	50
153454	ValuePro	SB-321℞	SMA female to BNC male	$2.75	$2.49	$2.25
159469	ValuePro	CH-7830-N℞	SMA female to BNC female	3.25	2.95	2.59
153593	ValuePro	4288℞	SMA male to BNC male	3.49	3.19	2.89
159477	ValuePro	CH-7820-N℞	SMA male to BNC female	4.25	3.95	3.55
1951764	Amphenol Connex	242127℞	SMA female to MCX male	6.95	5.95	—
1951721	Amphenol Connex	242141℞	SMA jack to MMCX plug	7.95	6.95	5.95
207168	ValuePro	BJ-7072℞	RCA female to BNC female	2.25	1.95	1.75
114789	ValuePro	BR312℞	RCA female to BNC male	1.89	1.65	1.49
207176	ValuePro	BJ-7055℞	RCA male to BNC male	2.49	2.25	1.09
114753	ValuePro	RB312	RCA male to BNC female	1.89	1.65	1.49
114770	ValuePro	200-108	BNC female to F connector male	1.65	1.49	1.35
174255	ValuePro	TBC-176℞	BNC male to F connector female	2.25	2.09	1.89
309657	ValuePro	200-045	RCA female to F male adapter	.99	.89	.79

50Ω MMCX Connector

Part No.	Manufacturer	Cross Ref. No.	Description	1	10	50
311693	ValuePro	908-43300	Right angle plug, crimp (RG-174/188/316)	$.99	$.89	$.79

UHF Adapters

★Web Code: UCA

Part No.	Manufacturer	Mfr. Part No.	Description	1	10	50
223837	Amphenol RF	83-1T	In-series T-adapter, jack-plug-jack	$2.95	$2.49	$1.95
668377	Amphenol Connex	182106℞	PL-259 straight adapter, nickel finish, phenolic insulator	3.95	3.55	3.19
668385	Amphenol Connex	182107℞	UG-175-U reducing adapter, nickel finish, for 668377	.29	.25	.19

50Ω Type N Connectors

★Web Code: TNC

Part No.	Manufacturer	Product No.	Description	1	10	50
296454	Amphenol Connex	172100℞ *	Crimp plug captive contact (RG-58/58A/58C/141/303/LMR195/B7806A)	$4.95	$4.49	$3.95
659294	Amphenol Connex	172123℞ *	Jack-to-jack adapter	3.95	3.55	3.19

* Use crimp tool 667921, pg 71

75Ω "F" Connectors & Adapters

★Web Code: FCA

✳ Order in multiples of 10

Part No.	Manufacturer	Product No.	Description	1	10	50
2132277	Amphenol Connex	531-40035-1006	F-right angle vertical board mount	$2.49	$2.25	$1.95
291725	ValuePro	200-051	F-jack to jack (gold)	.75	.65	.59
295371	ValuePro	200-053	F-panel mount jack to jack (nickel)	✳	.15	.12
295380	ValuePro	200-107	F-right angle jack to plug (nickel)	1.95	1.75	1.59
1952943	Foxconn	200-190	F-right angle PC mount jack (90° barrel)	.39	.35	.29
289887	ValuePro	200-035	F-crimp on for RG-6, nickel plated	.39	.35	.29
2099737	ValuePro	25-7010	F-crimp on plug for RG-6, nickel plated , 2 pcs. w/o center pin	.25	.19	.15

50Ω/75Ω BNC Connectors and Adapters

★Web Code: BCP

Plugs

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
355099	ValuePro	31-2℞	1	50Ω plug, clamp, for RG-58/141/142/400 (UG-88/U)	$.99	$.89	$.79
355135	ValuePro	31-212	1	50Ω/75Ω plug, clamp, for RG-59/62/140/302	.99	.89	.79
311378	ValuePro	31-315	2	50Ω plug, 3 pcs, crimp, for RG-174; 188/U	1.95	1.75	1.49
188349	Amphenol RF	31-315-RFX	3	50Ω plug, 3 pcs, crimp, for RG-174/U; 188A/U; 316/U	2.49	2.25	1.99
188306	Amphenol RF	31-320-RFX℞	3	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	2.25	1.99	1.75
311394	ValuePro	31-321	4	50Ω plug, 3 pcs, crimp, for RG-59/U	.99	.89	.79
311408	ValuePro	31-321-RFX	4	50Ω plug, 3 pcs, crimp, for RG-59	.99	.89	.79
135618	ValuePro	200-141	3	75Ω plug, 3 pcs, crimp, for RG-6	.99	.89	.79
71781	ValuePro	200-142	5	75Ω plug, twist-on, for RG-59	1.39	1.25	1.09
71271	ValuePro	200-143	3	75Ω plug, 3 pcs, crimp, for RG-59	1.25	1.09	.99
71482	ValuePro	200-145	3	50Ω plug, 3 pcs, crimp, for RG-58	1.75	1.55	1.39
355362	ValuePro	6775	6	50Ω plug, clamp, for RG-8/9/87A/213/214/225	1.49	1.25	1.09
295953	Amphenol Connex	112116℞ *	7	50Ω crimp plug, captive contact, for RG-58/58A/58C/141/303	1.95	1.75	1.59
296008	Amphenol Connex	112132℞	7	50Ω crimp plug, captive contact, for RG-174/188A/316/B7805A	2.75	2.49	2.25
311327	ValuePro	69475	6	50Ω/75Ω plug, clamp, for RG-174/179/187/188/316	.75	.69	.65
207183	ValuePro	BJ-70941	8	50Ω/75Ω male clamp-on, for RG-58/59	.99	.89	.79

Continued on next page

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

Fig. 17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

Fig. 22

Fig. 23

Fig. 24

Fig. 25

Fig. 26

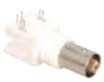


Fig. 27

Fig. 28

Fig. 29

Fig. 30

Fig. 31

Fig. 32

Fig. 33

Fig. 34

Fig. 35

Fig. 36

Fig. 37

Fig. 38

Fig. 39

Fig. 40

Fig. 41

Fig. 1

Fig. 2

50Ω/75Ω BNC Connectors and Adapters (Continued)

Plugs

★Web Code: BCP

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
112110	ValuePro	G7409ℛ	3	50Ω male with pin and ferrule, for RG-174	$2.75	$2.49	$2.25
311538	ValuePro	31-71000-RFX	9	75Ω plug, 3 pcs, crimp, for RG-6/212; Belden 9290/89248	.99	.89	.79
311554	ValuePro	31-71013-RFX	10	75Ω plug, 3 pcs, crimp, for RG-179/179B/187A; Belden 9221	.99	.89	.79
311572	ValuePro	31-71032ℛ	3	75Ω plug, 3 pcs, crimp, for RG-59/140; Belden 8241/8279	1.49	1.25	1.09
295970	Amphenol Connex	112119ℛ *	7	75Ω crimp plug, captive contact, for RG-59/62/140/210	1.49	1.25	1.09
296016	Amphenol Connex	112133ℛ	7	75Ω crimp plug, captive contact, for RG-179/187/B9221	.75	.67	.59

* Use crimp tool 667850, pg 71

Jacks

★Web Code: BCJ

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
355120	ValuePro	31-203ℛ	11	50Ω jack, panel mount, solder cup	$1.95	$1.75	$1.59
355224	ValuePro	31-318-RFXℛ	12	50Ω bulkhead jack, crimp, for RG-174/U; 188A/U; 316/U	.99	.89	.79
355178	ValuePro	31-221	13	50Ω jack, panel mount, solder cup (UG-1094/U)	2.25	1.95	1.75
223511	Amphenol RF	31-221ℛ	14	50Ω jack, panel mount, solder cup	3.39	3.19	2.95
658427	Amphenol Connex	112424ℛ	15	50Ω bulkhead jack, solder terminal	2.39	2.15	1.95
296067	Amphenol Connex	112431ℛ	16	50Ω bulkhead jack, isolated, solder terminal	4.49	3.95	3.49
658380	Amphenol Connex	112505ℛ	17	50Ω bulkhead jack, crimp, for RG-55/U; 142A/U; 223/U; 400/U	1.25	1.09	.95
493917	AMP	227161-3	18	50Ω jack, right angle, PCB	5.49	2.25	1.95
421331	AMP	227726-3	19	50Ω jack, isolated, solder	2.75	2.49	2.25
111561	ValuePro	200-148	20	Jack, isolated, panel mount	2.49	2.25	1.95
160929	ValuePro	B211F-58ℛ	21	Jack, crimp type, for RG-58	1.75	1.49	1.25
161922	ValuePro	B211F-174ℛ	21	Jack, crimp type, for RG-174	.99	.89	.79
2077618	ValuePro	BNC-CR	22	Jack, chassis PCB receptacle	.35	.29	.25
146511	ValuePro	CH-7044Sℛ	23	Jack, right angle, plastic insulation, PC mount, w/ washer & nut	2.49	2.25	1.95
2135646	Bomar	SPX44202	24	Jack, straight, PC mount (gold)	1.25	1.09	.95
161656	ValuePro	CH-7087D	25	Jack, right angle, metal, PC mount	1.49	1.25	1.09
71590	ValuePro	G1B235ℛ	26	Jack, panel mount (UG-1094A)	2.19	1.95	1.75
1952821	Foxconn	KDA1001-H0	27	Jack, right angle, plastic insulation, PC mount	.89	.75	.69
174290	ValuePro	TBC-090ℛ	23	Jack, chassis mount	1.75	1.59	1.39

Adapters/Couplers

★Web Code: BCC

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
311344	ValuePro	31-10-RFXℛ	28	50Ω jack, bulkhead	$2.69	$2.39	$2.19
188429	Amphenol RF	31-208-RFXℛ	29	Jack-plug-jack	2.49	2.25	1.95
363961	ValuePro	31-218	30	50Ω straight adapter, plug-plug (UG-491A/U)	3.95	3.59	3.19
188411	Amphenol RF	31-219-RFXℛ	31	50Ω straight adapter, jack-jack	4.49	4.29	3.95
355152	ValuePro	31-219-RFXℛ	31	50Ω straight adapter, jack-jack (UG-914/U)	2.95	2.65	2.39
311351	ValuePro	31-220N-RFX	32	50Ω bulkhead adapter, jack-jack	2.95	2.69	2.39
72629	ValuePro	200-150	33	Female to female/female T-adapter	2.25	1.95	1.75
118594	ValuePro	200-155	34	Male to female/female T-adapter	2.19	1.95	1.75
71909	ValuePro	200-160	35	Female/female coupler (UG-914)	1.49	1.25	1.09
148224	ValuePro	200-165	36	Coupler, jack-jack, panel mount	1.95	1.75	1.65
100597	ValuePro	40958-Y	37	Male to female/female T-adapter (180°)	6.95	6.25	5.49
658451	Amphenol Connex	112437ℛ	38	50Ω jack-to-jack bulkhead adapter (all 50Ω coax cables)	3.25	2.95	2.75
2115485	Emerson	27-8140	30	50Ω T-adapter, jack-plug-jack	.99	.89	.79
296083	Amphenol Connex	112446ℛ	31	75Ω straight adapter, jack-jack	2.95	2.75	2.49
658515	Amphenol Connex	112461ℛ	39	50Ω T-adapter, jack-plug-jack	2.95	2.75	2.49
117461	ValuePro	B-068	40	Male to female/female F-adapter (90°)	4.25	3.75	3.25
127343	ValuePro	B-311	40	Male/male coupler (UG-491B/U)	2.75	2.49	2.25
148232	ValuePro	B-332-IF	36	Coupler, jack-jack, isolated	2.25	1.95	1.75
127352	ValuePro	B-412ℛ	41	Male to female right angle (DG-306B/O)	3.95	3.25	2.49

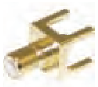
Terminators

★Web Code: BCT

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
71458	ValuePro	B-611T	1	BNC male terminator (50Ω)	$1.75	$1.49	$1.25
71790	ValuePro	200-177	1	BNC male terminator (75Ω, 5%)	1.35	1.19	.99
658523	Amphenol Connex	202103ℛ	2	50Ω terminator plug	2.75	2.49	2.25

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Connectors, Adapters & Coax Cables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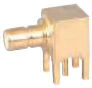
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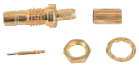
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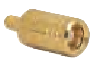
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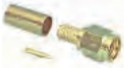
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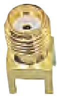
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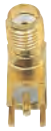
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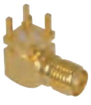
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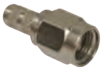
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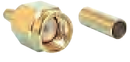
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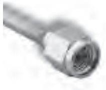
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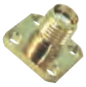
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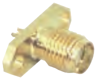
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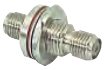
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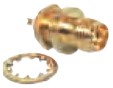
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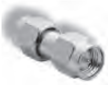
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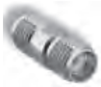
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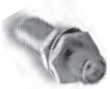
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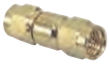
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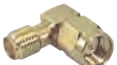
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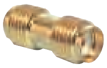


Fig. 21

SMB Connectors

★Web Code: SCS

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
444824	Cinch	SMB50-1301	1	50Ω jack, straight, PCB mount	Gold ...	**$1.95**	**$1.75**	**$1.59**
167312	ValuePro	24-12-2TGG-Rℛ	2	50Ω right angle jack, PCB mount	Gold	**1.95**	**1.75**	**1.49**
172364	ValuePro	24-07L-1-TGGℛ	3	50Ω bulkhead crimp jack	Gold	**2.49**	**2.25**	**1.95**
172372	ValuePro	24-05L-1-TGG-Rℛ	4	50Ω cable crimp plug	Gold	**2.95**	**2.59**	**2.25**

50Ω SMA Connectors

★Web Code: SET

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
157972	ValuePro	19-03F-4TGG	5	Straight crimp type male plug (RG-58)	Gold ...	**$2.95**	**$2.75**	**$2.49**
145382	ValuePro	19-46Gℛ	6	Straight female PCB mount, 4 legs	Gold	**3.49**	**3.19**	**2.89**
145374	ValuePro	19-49Gℛ	7	90° female PCB mount, 4 legs	Gold	**3.49**	**3.19**	**2.89**
355283	ValuePro	901-143-6-RFXℛ	8	Jack, right angle, PC mount	Gold	**5.95**	**5.39**	**4.75**
188509	Amphenol RF	901-144-8-RFXℛ	6	Jack, right angle, PC mount	Gold	**4.95**	**4.75**	**4.49**
355292	ValuePro	901-9876-RFXℛ	9	Straight plug, crimp (RG-58/U; RG-58C/U; 141)	Nickel	**1.49**	**1.35**	**1.19**
153366	ValuePro	4804ℛ	10	Straight crimp type male plug (RG-174)	Gold	**3.25**	**2.95**	**2.65**
296227	Amphenol Connex	132101ℛ†	11	Straight cable plug w/ contact (RG-405U)	Gold	**3.95**	**3.59**	**3.19**
159531	ValuePro	CH-7814ℛ#	12	Female panel mount, 4 mounting holes (G-58/174)	Gold	**3.95**	**3.59**	**3.25**
160022	ValuePro	CH-7815-Gℛ#	13	Female panel mount, 2 mounting holes (RG-58/174)	Gold	**2.95**	**2.65**	**2.39**
160013	ValuePro	CH-7818-Nℛ	14	Panel mount feed thru, female-female	Nickel	**4.95**	**4.25**	**3.75**
153286	ValuePro	SMA-7813ℛ	15	Bulkhead solder female w/ washer, rear mount (RG-58/174)	Gold	**2.95**	**2.75**	**2.49**

† Use crimp tool 667921, below # Solder cup

SMA Adapters and Couplers

★Web Code: SET

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
659032	Amphenol Connex	132168ℛ	16	50Ω plug-to-plug adapter	Gold ...	**$4.95**	**$4.49**	**$3.95**
659041	Amphenol Connex	132169ℛ	17	50Ω jack-to-jack adapter	Gold	**5.49**	**4.95**	**4.45**
659059	Amphenol Connex	132170ℛ	18	50Ω jack-to-jack adapter, bulkhead feed-through	Gold	**6.95**	**6.49**	**5.95**
161294	ValuePro	S-311-Gℛ	19	Straight coupler male-male	Gold	**3.49**	**3.25**	**2.95**
161307	ValuePro	S-412-Gℛ	20	Right angle coupler male-female	Gold	**5.95**	**5.49**	**4.95**
153294	ValuePro	SMA-7817ℛ	21	Straight coupler female – jack-to-jack	Gold	**3.95**	**3.59**	**3.19**

Universal Hand Crimp Tools

★Web Code: GBU

667850

Part No.	Manufacturer	Product No.	Die Cavities (in.)	Cable Groups	1	5
667850	Amphenol Connex	47-10070	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (BNC/TNC)	**$59.95**	**$54.95**
667921	Amphenol Connex	47-10180	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors	**74.95**	**69.95**

SMA/SMB 50Ω Coax Cables

JAMECO ValuePro

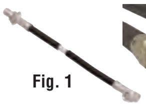


Fig. 1

Fig. 2

Fig. 3

Fig. 4

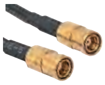


Fig. 5

★Web Code: PAY

Fig. 1: SMA right angle male to SMA female
Fig. 2: SMA male to SMA male
Fig. 3: SMA male to SMA right angle male
Fig. 4: SMA right angle male to SMA right angle male
Fig. 5: SMB plug female to SMB plug female

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
2099391	RG-58ℛ	1	0.5 ..	**$1.49**	**$1.25**	**$1.09**
159371	RG-58ℛ	2	2	**3.95**	**3.59**	**3.25**
159397	RG-58ℛ	2	6	**5.95**	**5.49**	**4.95**
169801	RG-174ℛ	2	0.5	**3.19**	**2.75**	**2.49**
163855	RG-174ℛ	2	1	**3.95**	**3.59**	**3.25**
153382	RG-174ℛ	2	2	**4.95**	**4.49**	**3.95**
153391	RG-174ℛ	2	4	**5.95**	**5.49**	**4.95**
159451	RG-174ℛ	2	6	**6.95**	**6.25**	**5.59**
175127	RG-174ℛ	3	0.5	**3.95**	**3.59**	**3.25**
175135	RG-174ℛ	3	1	**4.49**	**4.25**	**3.95**
175143	RG-174ℛ	4	0.5	**3.95**	**3.59**	**3.19**
175152	RG-174ℛ	4	1	**4.95**	**4.49**	**3.95**
175178	RG-174ℛ	5	1	**4.95**	**4.49**	**3.95**

BNC Male Coax Cables

JAMECO ValuePro

176794

181308

JAMECO EXCLUSIVE

★Web Code: BBD

RG6 75Ω Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	**$4.95**	**$4.49**	**$3.95**
176815	6' BNC to BNC	**5.25**	**4.75**	**4.25**

RG58/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RRℛ	1	**$3.95**	**$3.55**	**$3.19**
102315	CRG58-1ℛ	1.5	**3.95**	**3.55**	**3.19**
256743	CBB-224-24	2	**4.95**	**4.49**	**3.95**
11404	CRG58-3	3	**4.95**	**4.49**	**3.95**
102331	CRG58-6	6	**4.95**	**4.49**	**3.95**
180822	CRG58-10	10	**4.95**	**4.49**	**3.95**
102350	CRG58-12ℛ	12	**4.95**	**4.49**	**3.95**
169818	CRG58-15	15	**5.95**	**5.35**	**4.75**
102357	CRG58-25	25	**6.95**	**6.25**	**5.49**
102365	CRG58-50	50	**9.95**	**8.95**	**7.95**
102381	CRG58-100	100 ...	**12.95**	**11.49**	**9.95**

RG59/U 75Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86472	CRG59-1ℛ	1.5 ...	**$3.49**	**$3.19**	**$2.89**
85543	CRG59-6ℛ	6	**3.95**	**3.69**	**3.25**
102373	CRG59-12	12	**3.95**	**3.69**	**3.25**
262730	EBC-525	25	**4.95**	**4.49**	**3.95**
262748	EBC-550	50	**6.95**	**6.29**	**5.59**

RG174/U 50Ω Network & Oscilloscope Cables

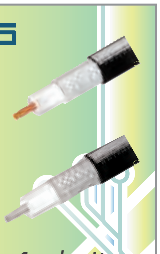
Part No.	Description	Length (ft.)	1	10	50
111473	RG174U3ℛ	3	**$5.49**	**$4.95**	**$4.49**
111482	RG174U6ℛ	6	**6.95**	**6.25**	**5.49**

BEST SELLING COAX CABLE

644754 **$19.95**
50Ω RG58/U, 100 ft.

644818 **$21.95**
50Ω RG174/U, 100 ft.

644826 **$179.95**
50Ω RG174/U, 1000 ft.



Complete Lineup See page 51

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Hi Speed Fiber Optic PIN Photodiode

OPTEK

- Reverse voltage: 100VDC
- Continuous power dissipation: 200mW
- Peak response wavelength: 860nm
- High-speed, low capacitance
- ST style receptacle
- Interface with multimode optical fibers w/ 50/125 to 100/140 microns

Part No.	Mfr. Part No.	1	10	100
2135283	OPF432	$9.95	$8.95	$7.95

10' Fiber Optic Cable

INDUSTRIAL FIBER OPTICS

★Web Code: QAA

- 1000µm core jacketed plastic fiber optic cable (10')

Part No.	Mfr. Part No.	1	10
171272	IF-C-E1000	$6.95	$6.25

Fiber Optic Lab Kit

INDUSTRIAL FIBER OPTICS

- 9 different activities
- Ideal for the lab environment
- Teaches the fundamentals of fiber

Part No.	Mfr. Part No.	1	5
169914	IF-LMH	$59.95	$49.95

Telecom Splice Connectors

Provides clean, solid and rapid connection of wires to keep lines free of noise

169755

169747

169755: Y-type

Part No.	Color	AWG	Conductors	1	10	100
169747	Yellowℛ	22–26	2	$.25	$.22	$.15
169755	Redℛ	19–26	3Y	.29	.25	.19

Wire Connectors

140717

182511

182450

- Material: UL approved nylon 66, 94V2
- Strip wire before application
- Twist on type

182450/2121543: Nylon 66, 94-2 UL/CSA approved
140717: PE – metal inside

Order in multiples of 10

Part No.	Description	10	100	1000
140717	Wire IDC 22-18 AWGℛ	$.12	$.09	$.07
182511	Wire nut 16 AWG	.12	.09	.07
182450	Crimp 16-14 AWGℛ*	.19	.15	.12
2121543	Crimp 8-6 AWG*	.15	.12	.09

* Requires crimping tool (P/N 72996, pg 74)

★Wire Caps Available Online — Enter Web Code QBZ

COMPONENT CABINET KITS

Complete with cabinet and hundreds of parts!

Part No.	Pieces	Description	Price
107879	540	1/2-watt resistors	$39.95
85059	150	Switches	99.95
84953	150	7400 series ICs	294.95

For more Component Cabinet Kits & Grab Bags, see pages 39 & 40

JAMECO ValuePro

Metric Tri-Barrier Single Row Terminal Blocks

DT39 Series

NEW MARKED IN PINK

- Current rating: 20A @ 300V
- Wire gauge range: 12-22 AWG
- Brass, tin plated terminals
- Screw size: M3, steel nickel plated
- Off center PC mount
- Height: 12.7mm
- Pitch 8.25mm (center pin to center pin)
- UL/CSA recognized

2133616

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
2133616	DT39-B01W-06	6	50.6	$1.49	$1.35	$1.19
2133624	DT39-B01W-08	8	67.2	1.95	1.75	1.49

JAMECO ValuePro

Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- Screws: steel nickel plated
- 12-18 AWG

207572

★Web Code: YBM

10A @ 600V

- Screw size: M3.0
- Size: 19.5mm W x 11.9mm H

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
208857	GGE-10-4P	4	55	$.99	$.89	$.79
208865	GGE-10-6Pℛ	6	74	1.49	1.35	1.19
208900	GGE-10-10Pℛ	10	112	2.29	1.95	1.75
208882	GGE-10-12Pℛ	12	131	2.95	2.69	2.39

20A @ 600V

- Screw size: M3.5
- Size: 22.0mm W x 13.2mm H

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
207538	GGE-20-4P	4	63.5	$.99	$.89	$.79
207547	GGE-20-6Pℛ	6	85.3	1.59	1.39	1.25
207563	GGE-20-10Pℛ	10	128.9	2.39	2.15	1.95
207572	GGE-20-12Pℛ	12	150.7	3.19	2.95	2.59

JAMECO ValuePro

European Terminal Blocks

215011

★Web Code: CBJ

- Number of poles: 12
- Terminal insert: brass metal alloy, nickel plated
- Material: polyamide 66 (nylon 66), UL94V-2, natural
- Screws: zinc plated, yellow chromed, PA8 (M2.6), PA10, ES08, ES10 (M3.0), PA12 (3.5)

Part No.	Cross Ref.	Amps	AWG	1	10	100
215011	PA8HDSℛ†	20	12-22	$1.75	$1.59	$1.39
215029	PA10HDSℛ†	30	10-22	2.39	2.25	1.95
215037	PA12HDSℛ†	35	10-22	2.75	2.49	2.25
2120161	ES0800/12DSℛ*	10	16-22	1.49	1.25	1.09
2120170	ES1000/12DSℛ*	20	16-20	1.55	1.49	1.25

*300V †450V

LCD KEYPAD SHIELD FOR ARDUINO

This shield can be plugged in directly to an Arduino board.

- 16 character x 2 line LCD
- White character and blue backlight
- No soldering or fly-wiring necessary

P/N 2144411 $17.95

Much more Arduino-compatible products on pages 175 & 176

CINCH

Standard Double Row Barrier Terminal Blocks

★Web Code: YBM

- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel with nickel over copper flash plating

230990

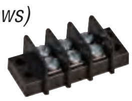
140 Series 15A (5-40 x 3/16" BH screws)

- 3750-watts/terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H

Part No.	Mfr. P/N	Pos.	Length	1	2	3
230973	2-140ℛ	2	1.41"	$1.39	$1.25	$1.09
230981	3-140ℛ	3	1.78"	1.55	1.39	1.25
230990	4-140ℛ	4	2.16"	1.79	1.49	1.29
231010	6-140ℛ	6	2.91"	2.39	2.19	1.95
231036	8-140ℛ	8	3.66"	2.89	2.49	2.09
231052	10-140ℛ	10	4.41"	3.95	3.59	3.25
231061	12-140ℛ	12	5.16"	4.25	3.95	3.59
1775983	14-140	14	5.91"	5.49	4.95	4.49

141 Series 20A (6-32 x 1/4" BH screws)

- 5000-watts/terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H



2100021

Part No.	Mfr. P/N	Pos.	Length	1	10	100
2100021	3-141*	3	1.78"	$1.55	$1.39	$1.19
231394	6-141ℛ	6	3.38"	2.75	2.59	2.35
231415	8-141ℛ	8	4.25"	3.25	2.95	2.59
231431	10-141ℛ	10	5.13"	3.75	3.39	2.95

*Manufacturer: Jameco ValuePro

142 Series 30A (8-32 x 5/16" BH screws)

- 7500-watts/terminal max.
- 10 AWG wire max.
- Size: 1.312"W x 0.625"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
440891	8-142	8	5.47"	$5.49	$4.95	$4.49

Terminal Block Jumpers

For connecting between adjacent terminals or alternate terminals.

659382

- 2-position
- Brass w/ nickel plating

Part No.	Mfr. Part No.	1	10	100
659382	140J-1 (140 series)ℛ	$.35	$.29	$.25
448500	141J (141 series)	.39	.35	.29

molex

BEAU Barrier Terminal Blocks

.375" Double Row Low Profile

★Web Code: YBM

- Wire AWG range: 12–24AWG
- Terminal: brass, nickel plated
- Insulator: thermoplastic, UL94V-0
- Screws: #6-32 BH screws, steel, zinc chromate plate

659411

Part No.	Mfr. Part No.	Beau No.	Pos.	1	10	100
2125940	38770-0103ℛ	77003	3	$1.25	$.99	$.75
659411	38770-0104ℛ	77004	4	1.95	1.79	1.59
659454	38770-0108ℛ	77008	8	2.75	2.49	2.25
659489	38770-0112ℛ	77012	12	3.95	3.59	3.19

DC FANS

Part No.	Voltage	Price
102955	12VDC	$4.95
150422	12VDC	8.95
100910	24VDC	9.95

For more DC Fans, see pages 97 & 101

ℛ RoHS compliant product   + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Terminal Blocks

- For detailed specifications, please see our website at www.Jameco.com

★ Web Code: XBD

Part No.	Mfr.	Mfr. Part No.	Fig.	Term.	Terminal Spacing	Description	1	10	100
2094506	OST	OSTTE020161ℛ	1	2	0.138"/3.5mm	Top screw	$.39	$.35	$.29
2094522	OST	OSTTF020161ℛ	2	2	0.138"/3.5mm	Side screw	.39	.35	.29
2124411	OST	OSTTE040161ℛ	1	4	0.138"/3.5mm	Top screw	.55	.49	.45
2094514	OST	OSTTE030161ℛ	1	3	0.138"/3.5mm	Top screw	.49	.45	.39
2094565	OST	OSTTJ0231530ℛ	4	2	0.150"/3.81mm	R/A screw	.59	.55	.49
2094573	OST	OSTTJ0331530ℛ	4	3	0.150"/3.81mm	R/A screw	.89	.79	.69
2094485	OST	OSTTA020161ℛ	5	2	0.197"/5.0mm	Top screw	.39	.35	.29
160785	Dinkle	EK500V-02Pℛ	6	2	0.197"/5.0mm	Top screw	.65	.59	.49
164794	OST	OSTTH020160ℛ	3	2	0.197"/5.0mm	Top screw	.55	.45	.39
99427	Dinkle	128V2P-Rℛ	7	2	0.197"/5.0mm	Top screw	.85	.65	.55
189676	OST	OSTTC020162ℛ	8	2	0.197"/5.0mm	Top screw	.45	.35	.29
161067	Dinkle	EK500A-02Pℛ	9	2	0.197"/5.0mm	45° angle screw	.89	.79	.59
2094493	OST	OSTTA030161ℛ	5	3	0.197"/5.0mm	Top screw	.49	.45	.39
2081203	Dinkle	ED500V-3Pℛ	11	3	0.197"/5.0mm	Top screw	.29	.25	.19
189668	OST	OSTTC030162ℛ	8	3	0.197"/5.0mm	Top screw	.29	.25	.19
99398	Dinkle	DT128V3Pℛ	7	3	0.197"/5.0mm	Top screw	1.09	.99	.89
160793	Dinkle	EK500V-03Pℛ	6	3	0.197"/5.0mm	Top screw	1.09	.99	.89
164806	OST	OSTTH030160	3	3	0.197"/5.0mm	Top screw	.85	.79	.69
161059	Dinkle	EK500A-03Pℛ	9	3	0.197"/5.0mm	45° angle screw	1.25	1.09	.95
2124429	OST	OSTTA040161ℛ	5	4	0.197"/5.0mm	Top screw	.65	.59	.55
2124470	OST	DT128V4P-Rℛ	7	4	0.197"/5.0mm	Top screw	.65	.59	.55
164815	OST	OSTOP240000ℛ	14	24	0.197"/5.0mm	1.3 x 1.3mm	1.35	1.19	1.05
2120567	OST	OSTYC022150ℛ	6	2	0.200"/5.08mm	Top screw	.49	.45	.39
2120647	OST	OSTTC022162ℛ	1	2	0.200"/5.08mm	Top screw	.35	.29	.25
2094581	OST	OSTTJ025153ℛ	12	2	0.200"/5.08mm	Top screw	.69	.65	.59
152347	OST	OSTTA024163ℛ	13	2	0.200"/5.08mm	Top screw	.69	.65	.59
2120575	OST	OSTYC032150ℛ	6	3	0.200"/5.08mm	Top screw	.59	.55	.49
2120655	OST	OSTTC032162ℛ	1	3	0.200"/5.08mm	Top screw	.49	.45	.39
152355	OST	OSTTA034163ℛ	13	3	0.200"/5.08mm	Top screw	.59	.55	.49
2094590	OST	OSTTJ035153ℛ	12	3	0.200"/5.08mm	Top screw	1.09	.99	.89
2124445	OST	OSTTA044163ℛ	13	4	0.200"/5.08mm	Top screw	.69	.65	.59

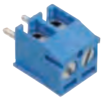


Fig. 1

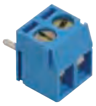


Fig. 2

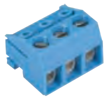
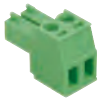


Fig. 3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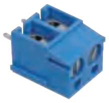
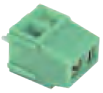


Fig. 5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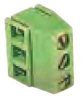


Fig. 7

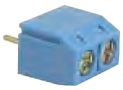


Fig. 8

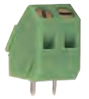


Fig. 9

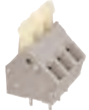


Fig. 10

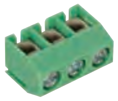


Fig. 11

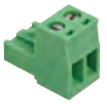


Fig. 12

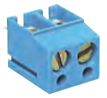


Fig. 13

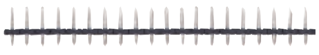
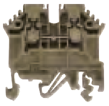


Fig. 14 (use w/ Fig. 6)

DIN Rail-Mounted Terminal Block & DIN Rail

- Molded thermoplastic
- 12-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A


237083

248736
Sold in 1 meter (39") length

248736: 35mm W x 7.5mm D

Part No.	Mfr. Part No.	Type	1	10	100
237083	41296.2	SR2.5	$.99	$.89	$.75
248736	2094.0(IM)ℛ	TS35 x 7.5	7.95	6.95	5.95

Hook-Up Wire – Single & Dual Rated

JAMECO ValuePro

Make wiring simple with these small gauge wire rolls. Able to handle high voltages while fitting and mounting easily into your terminal block slots. Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive.

- Tin-plated copper
- Stranded
- PVC insulation
- **Sold in 100' rolls**

★ Web Code: JAS

Single Rated (UL1007): -40° to 80°C: 300V peak

Dual Rated (UL1007 & UL1569): -40° to 105°C: 300V peak

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611 ℛ	734603 ℛ	734610 ℛ	734606 ℛ	734605 ℛ	734614 ℛ	$5.95	$5.49	$4.95
26	7 x 34	x	x	734511 ℛ	734503 ℛ	734510 ℛ	734506 ℛ	734505 ℛ	734514 ℛ	6.49	5.95	5.49
24	7 x 32	x	x	734411 ℛ	734403 ℛ	734410 ℛ	734406 ℛ	734405 ℛ	734414 ℛ	8.95	7.95	6.95
22	7 x 30	x		126085 ℛ	126034 ℛ	126077 ℛ	310852 ℛ	310878 ℛ	310886 ℛ	7.95	6.95	5.95
22	7 x 30	x	x	734311 ℛ	734303 ℛ	734310 ℛ	734306 ℛ	734305 ℛ	734314 ℛ	9.95	8.95	7.95
20	10 x 30	x		125840 ℛ	125795 ℛ	125831 ℛ	310894 ℛ	310915 ℛ	310922	10.95	9.95	8.95
20	10 x 30	x	x	734211 ℛ	734203 ℛ	734210 ℛ	734206 ℛ	734205 ℛ	734214 ℛ	11.95	10.95	9.95
18	16 x 30	x		125787 ℛ	125736 ℛ	125752 ℛ	310932 ℛ	310949	310958 ℛ	13.95	12.95	11.95
18	16 x 30	x	x	734111 ℛ	734103 ℛ	734110 ℛ	734106 ℛ	734105 ℛ	734114 ℛ	14.95	13.95	12.95
16	26 x 30	x	x	734011 ℛ	734003 ℛ	734010 ℛ	734006 ℛ	734005 ℛ	734014 ℛ	17.95	15.95	14.49

170-Pc. Solderless Terminal Kit

170 Terminals and Connectors!

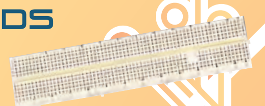
- Clear, hinged plastic box
- Use crimping tool P/N 72996, pg 74

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	—
15	Ring term.	16-14	#6	10	Butt conn.	16-14	—
10	Ring term.	16-14	#8	5	Butt conn.	12-10	—

Part No.	Product No.	1	10	25
10990	G1C175-Rℛ	$14.95	$13.49	$11.95

BREADBOARDS AND PROTOBOARDS

Design and create your circuits in a matter of minutes with these easy-to-use boards that are perfect for protoryping.



P/N 20670	6.5" x 1.4" breadboard w/ 630 contact points	**$6.95**
P/N 105137	3.3" x 4.5" protoboard w/ 1266 holes and buses	**8.95**

See more selection on pages 154-159

GRAB BAG: 100 ASSORTED SOLDERLESS TERMINALS

ONLY $7.95

P/N 2082118

More Grab Bags, see page 40

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Terminals, Splices and Quick Connect/Disconnect

★ Web Code: TSQ

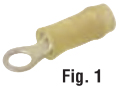
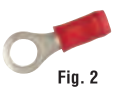


Fig. 1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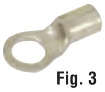
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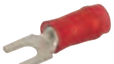
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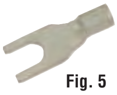
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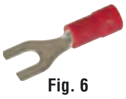
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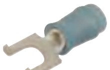
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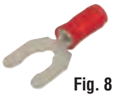
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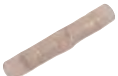
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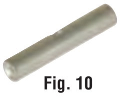
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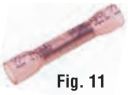
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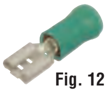
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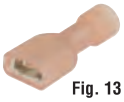
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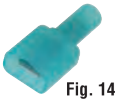
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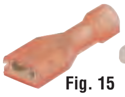
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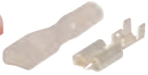
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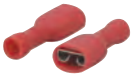
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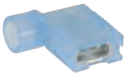
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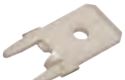
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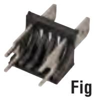
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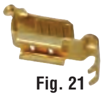
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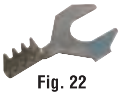


Fig. 22

Ring Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302594	AMP	323912ℛ	1	Nylon	#2	26-22	Yellow	✳	$.19	$.15
302658	AMP	31880ℛ	1	Nylon	#4	22-16	Red	✳	.19	.15
2139073	Panduit	PV18-6R-Mℛ	2	Plastic	#6	22-18	Red	✳	.19	.15
103684	ValuePro	2048ℛ	2	Plastic	#6	22-16	Red	✳	.19	.15
302666	AMP	36152ℛ	2	Plastic	#6	22-16	Red	.25	.22	.15
302674	AMP	31890ℛ	2	Plastic	#8	22-16	Red	✳	.19	.15
844289	AMP	34107ℛ	3	Uninsul.	#6	22-16	—	✳	.19	.15
844377	AMP	34111ℛ	3	Uninsul.	#8	22-16	—	✳	.19	.15
302720	AMP	320619ℛ	1	Nylon	#6	16-14	Blue	✳	.19	.15
302746	AMP	36160ℛ	1	Nylon	#10	16-14	Blue	✳	.19	.15
302754	AMP	321045ℛ	1	Nylon	#1/4	16-14	Blue	.25	.22	.17
2139065	Panduit	P10-56R-Dℛ	3	Uninsul.	#5/16	12-10	—	.29	.25	.19
2144681	Panduit	PV10-8R-Dℛ	2	Vinyl	#8	12-10	Yellow	✳	.19	.15
302797	AMP	35108ℛ	1	Nylon	#8	12-10	Yellow ..	.25	.22	.17
302800	AMP	35109ℛ	1	Nylon	#10	12-10	Yellow...	.25	.22	.17
302738	AMP	320565ℛ	2	Nylon	#8	16-14	Blue	.29	.25	.19

Spade Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302851	AMP	328394ℛ	4	Nylon	#2	22-16	Red	$.29	$.25	$.19
2125780	3M	MVU18-4FLK	4	Vinyl	#4	22-16	Red	.29	.25	.19
302869	AMP	327717ℛ	4	Nylon	#4	22-16	Red	.39	.35	.33
302877	AMP	34541ℛ	4	Nylon	#6	22-16	Red	.25	.22	.17
103588	ValuePro	SVS1-3.7ℛ	4	Vinyl	#6	22-16	Red	✳	.17	.15
302885	AMP	32053ℛ	4	Nylon	#8	22-16	Red	.49	.45	.39
842929	AMP	323127ℛ	5	Uninsul.	#6	22-16	—	✳	.19	.15
2129764	ETCO	PS55-130-THB	22	Uninsul.	#6	22-26	—	✳	.07	.05
502879	Molex	19144-0001	6	PVC	#5-6	18-22	Red	.25	.22	.17
302906	AMP	35559ℛ	4	Nylon	#6	16-14	Blue	.25	.22	.17
302914	AMP	32059ℛ	4	Nylon	#8	16-14	Blue	.29	.25	.19
103596	ValuePro	SVM-2ℛ	4	Vinyl	#8	16-14	Blue	.25	.22	.19
302949	AMP	326859ℛ	4	Nylon	#6	12-10	Yellow ..	.45	.39	.35
302957	AMP	32588ℛ	4	Nylon	#8	12-10	Yellow ..	.39	.35	.29
511265	AMP	19144-0043	4	PVC	#10	12-10	Yellow	✳	.15	.12

Flanged Spade Tongue Terminals

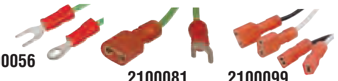
Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
303010	AMP	320862ℛ	7	Nylon	#8	16-14	Blue ...	$.35	$.31	$.27

Short Spring Spade Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
303141	AMP	52942ℛ	8	Nylon	#8	12-10	Yellow	✳	$.15	$.12
303159	AMP	52943ℛ	8	Nylon	#10	12-10	Yellow	✳	.15	.12

Solderless Terminal/Quick Connect Cable Assembly



- **2100056:** #6 stud ring tongue terminal 22-16 AWG (fig. 1) and #6 stud spade tongue terminal 22-16 AWG (fig. 4)
- **2100081:** #6 stud spade tongue terminal 22-16 AWG (fig. 4) and .250" quick connect/disconnect connector 22-16 AWG (fig. 14)
- **2100099: Dual cable,** .250" quick connect/disconnect connector 22-16 AWG and .110" quick connect/disconnect connector 22-16 AWG (fig. 14)

Part No.	Product No.	Wire (AWG)	Length	1	10	100	1000
2100056	STCA-11	18 (green)	11"	$.25	$.19	$.15	$.12
2100081	STQC-13	18 (green)	13"	.29	.25	.19	.15
2100099	QCDC-39	18 (black & white)	39"	.35	.29	.25	.19

Butt & Knife Disconnect Splices

✳ Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Type	AWG	Color	1	10	100
303167	AMP	323994ℛ	9	Nylon	Butt	24-20	Natural	$.75	$.65	$.59
303175	AMP	320559ℛ	9	Nylon	Butt	22-16	Red	.55	.49	.45
494469	Molex	19215-0009	10	Uninsul.	Butt	22-18	—	✳	.12	.09
491305	Molex	19164-0013	11	NiAC	Butt	22-18	Red	.49	.45	.39
503062	Molex	19154-0004	9	PVC	Butt	18-22	Red	✳	.19	.15
303183	AMP	320562ℛ	9	Nylon	Butt	16-14	Blue	.59	.55	.49
511530	Molex	19154-0030ℛ	9	PVC	Butt	12-10	Natural	✳	.05	.04

Quick Connect/Disconnect Female Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
303280	AMP	640903-1ℛ	12	Nylon	.250 x .032	22-18	Red ..	$.25	$.22	$.15
489627	Molex	19003-0001*	13	Nylon	.250 x .032	22-18	Red	✳	.19	.15
489475	Molex	19002-0001	14	Nylon	.250 x .032	22-18	Red	.35	.29	.25
489758	Molex	19005-0001	13	Nylon	.250 x .032	22-18	Red	.29	.22	.15
303255	AMP	640917-1ℛ	12	Nylon	.187 x .020	22-18	Red	.25	.22	.15
837134	AMP	2-520411-2ℛ*	13	Nylon	.187 x .032	22-18	Red	.29	.25	.22
489643	Molex	19003-0017*	13	Nylon	.187 x .032	22-18	Red	.25	.22	.15
489635	Molex	19003-0011*	13	Nylon	.187 x .020	22-18	Red	.29	.25	.19
524197	AMP	2-520182-2ℛ	15	Nylon	.187 x .020	22-18	Red	.25	.22	.15
303247	AMP	640923-1ℛ	12	Nylon	.110 x .020	22-18	Red	.29	.25	.19
2121551	ValuePro	QCD187	16	Nylon	.187 x .032	22-16	Clear	✳	.15	.12
109112	ValuePro	GFF1250ℛ	17	Vinyl	.250 x .032	22-16	Red	✳	.19	.15
103668	ValuePro	FDV1-250ℛ	12	Vinyl	.250 x .032	22-16	Red	✳	.19	.15
106922	ValuePro	FDV1-187ℛ	12	Vinyl	.187 x .032	22-16	Red	✳	.12	.09
303327	AMP	640905-1ℛ	12	Nylon	.250 x .032	16-14	Blue ...	.29	.25	.19
489766	Molex	19005-0005	13	Nylon	.250 x .032	16-14	Blue ...	.25	.22	.15
489678	Molex	19003-0040*	13	Nylon	.250 x .032	16-14	Blue	✳	.19	.15
489871	Molex	19007-0021*	18	Nylon	.250 x .032	16-14	Blue ...	.35	.29	.25
303301	AMP	640919-1ℛ	12	Nylon	.187 x .020	16-14	Blue	✳	.19	.17
489694	Molex	19003-0050*	13	Nylon	.187 x .020	16-14	Blue ...	.25	.19	.15
303343	AMP	640907-1ℛ	12	Nylon	.250 x .032	12-10	Yellow	.39	.35	.29
489774	Molex	19005-0010	13	Nylon	.250 x .032	10-12	Yellow	.39	.35	.29

*Translucent

Quick Connect/Disconnect Male Terminals Insulated

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
489432	Molex	19001-0003	14	Nylon	.187 x .020	22-18	Red ..	$.45	$.39	$.35
489723	Molex	19004-0001	14	Nylon	.250 x .032	22-18	Red	.29	.25	.19
489731	Molex	19004-0005	14	Nylon	.250 x .032	16-14	Blue ...	.29	.25	.19

Printer Circuit Board Male Quick Connect

Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Fig.	Material	Size (ins.)	10	100	1000
2150897	AMP	1217056-1ℛ*	19	Tin/Copper	.250 x .032	$.12	$.09	$.07
853927	AMP	63824-1ℛ**	19	Tin/Copper	.250 x .032	.12	.09	.07
2129730	ValuePro	250-D†	20	Tin/Copper	.250 x .032	.15	.12	.09
2129756	ARK-LES	3000-H-421AB#	21	Tin/Copper	.250 x .032	.15	.12	.09

*Single **Continuous strip † Dual # Piggyback style-male/female

See page 40 for Solderless Terminal Grab Bag (P/N 2082118).

Solderless Terminal Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow

Part No.	Mfr. Part No.	Size	1	10	25
72996	HT303ℛ	9.0"L x 2.0"W	$24.95	$21.95	$17.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Binary Coded Decimal (BCD) Switches

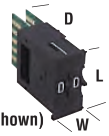
JAMECO ValuePro

★ Web Code: QAD

- Contact resistance: 100mΩ max.
- Contacts: gold plated BE-CU alloy
- Front snap-tab mounting w/ end plates
- Continuous load: 1 amp max.
- 28VDC @ 0.15A

26789 (2 switches shown)

26761



26818 (2 switches shown)

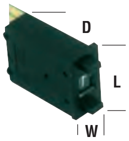
26771

Part No.	Manufacturer	Cross Ref. No.	Description	Dimensions (L" x W" x D")	Character Height	Pricing 1	10	100
26789	ValuePro	GPF311221ℛ	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	**$4.75**	**$4.49**	**$3.95**
26761	ValuePro	PF31E10	End plates for **26789** (2)	1.2 x 0.2 x 1.1	—	**.99**	**.89**	**.75**
26818	ValuePro	GTF311211ℛ	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	**4.75**	**4.49**	**3.95**
26771	ValuePro	TF31E10ℛ	End plate for **26818** (2)	1.2 x 0.2 x 1.3	—	**.99**	**.89**	**.75**

Mini Pushbutton BCD Switch

JAMECO ValuePro

- 28VDC @ 10A
- Break before make
- Switches snap together
- Operating temp.: -10°C to +65°C
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"



Part No.	Cross Ref.	Description	1	10	100
136558	MX061ℛ	10-position	**$3.25**	**$2.95**	**$2.59**
2128059	MX061-Eℛ	End plate	**.75**	**.69**	**.65**

Miniature Basic Switches

HIGHLY OMRON Honeywell

★ Web Code: UEM

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

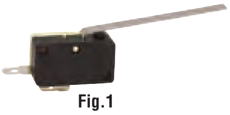


Fig. 1

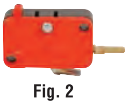


Fig. 2

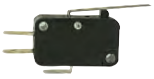


Fig. 3

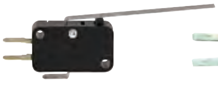


Fig. 4

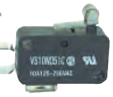


Fig. 5

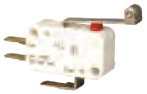


Fig. 6

Part No.	Manufacturer	Product No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
1945268	Zippy	VM-5	1	Long lever (2.0"L)	SPST	5A @ 125VAC/250VAC	10M/1M	0.187" quick connect	**$1.49**	**$1.25**	**$1.09**
2076244	Honeywell	V3-23-D8	2	Pin plunger	SPST-NO	5A @ 125VAC	50M/300k	0.183" quick connect	**1.75**	**1.49**	**1.25**
187792	Omron	V-10G2-1C24Kℛ	3	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	**2.49**	**2.19**	**1.95**
187805	Omron	V-10G3-1C24Kℛ	4	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	50M/300k	0.183" quick connect	**2.95**	**2.69**	**2.49**
2117333	ValuePro	VM-05S-03D0-Z	3	Long lever (2.0"L)	SPDT-NC	5A @ 125VAC/250VAC	50M/300k	0.185" quick connect	**1.95**	**1.75**	**1.49**
159572	Highly Electric	VS10N051C	5	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.250" quick connect	**2.95**	**2.69**	**2.49**
159581	Highly Electric	VS10N021C2	3	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC/250VAC	10M/100k	0.183" quick connect	**2.49**	**2.25**	**1.95**
483284	Cherry	D44CR1RD	6	Hinge lever (1.24"L)	SPDT	10A @ 125VAC/250VAC	6k	0.187" quick connect	**3.25**	**2.95**	**2.65**

Subminiature Basic Switches

HIGHLY OMRON Mountain Switch

★ Web Code: MBE

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B= 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H

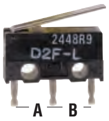


Fig. 1

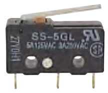
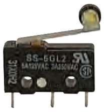


Fig. 2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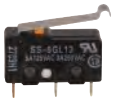
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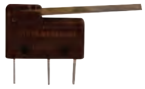


Fig. 5

Part No.	Manufacturer	Mfr. Part No.	Fig.	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
188867	Omron	D2F-Lℛ	1	Hinge lever (0.5"L)	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	1M/30k	Solder	**$1.49**	**$1.35**	**$1.19**
187709	Omron	SS-5GLℛ	2	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	**1.75**	**1.59**	**1.35**
187733	Omron	SS-5GL2ℛ	3	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	**1.95**	**1.75**	**1.59**
159599	Highly Electric	SS0505A	3	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	**1.49**	**1.35**	**1.19**
187717	Omron	SS-5GL13ℛ	4	Simulated roller lever	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	**1.75**	**1.59**	**1.35**
2100048	Honeywell	311SM8094-H4	5	Straight lever (1.31")*	SPDT	5A @ 250VAC, 5A @ 30VDC	1M/30k	.110" quick connect	**.99**	**.89**	**.75**
2100030	Honeywell	311SM8095-H5	5	Straight lever (1.31")	SPDT	5A @ 250VAC, 5A @ 30VDC	1M/30k	.110" quick connect	**.99**	**.89**	**.75**

*Straight lever with flag actuator

Slide Switches

★ Web Code: LAP

- Two mounting flanges
- Top actuation
- 6/6 nylon plastic housing
- Nylon actual
- Phenolic insulated

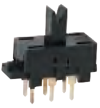
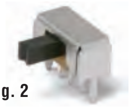


Fig. 1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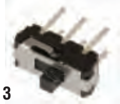
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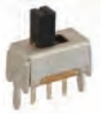
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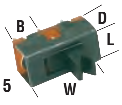
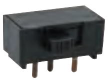


Fig. 5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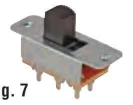


Fig. 7

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	B"	Housing Material	Lead Length	Actuator Height	Pricing 1	10	100
202770	ValuePro	74650-009	1	6	SPDT on-on	0.1A @ 30VDC	.35"L x .70"W x .30"D	.17	.20	Plastic	.16"	.32"	**$.29**	**$.25**	**$.19**
588220	C&K Switches	OS102011MA1QN1	2	3	SPDT on-on	0.2A @ 30VDC	.34"L x .17"W x .15"D	—	.08	Metal	.11"	.16"	**.39**	**.35**	**.29**
2132314	E-Switch	EG1206A	2	3	SPDT on-on	0.2A @ 30VDC	.51"L x .22"W x .24"D	—	.12	Metal	.15"	.26"	**.49**	**.45**	**.39**
621325	GC Electronics	35-202-BU	3	3	SPDT on-on	0.3A @ 30VAC	.44"L x .22"W x .18"D	.14	—	Metal	.14"	.16"	**2.49**	**2.25**	**1.99**
2133704	ValuePro	SS12D02	4	3	SPDT on-on	0.3A @ 50VDC	.35"L x .18"W x .18"D	—	.08	Metal	.12"	.15"	**.35**	**.29**	**.25**
109171	ValuePro	G4050X-Rℛ	5	3	SPDT on-on	0.5A @ 50VDC	.22"L x .45"W x .23"D	—	.12	Plastic	.17"	.15"	**.39**	**.35**	**.29**
204142	C&K Switches	4102021MLOY	6	3	SPDT on-on	2.0A @ 28VDC	.77"L x .40"W x .37"D	—	.19	Plastic	.19"	.17"	**.49**	**.45**	**.39**
161817	ValuePro	MS-306-Rℛ	3	6	DPDT on-on	0.3A @ 6VDC	.35"L x .14"W x .14"D	.10	.10	Plastic	.14"	.08"	**.75**	**.69**	**.49**
2076210	CWI	GF126-1093	3	6	DPDT on-on	0.5A @ 125VDC	1.0"L x .41"W x .30"D	.19	.29	Metal	.25"	.20"	**.69**	**.59**	**.49**
621472	GC Electronics	35-222	7	6	DPDT on-on	6.0A @ 125VAC	.88"L x .53"W x .35"D	.22	.29	Plastic	.25"	.36"	**1.25**	**1.09**	**.99**

For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Pushbutton Switches

★ Web Code: UBU

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

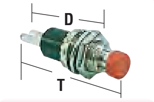
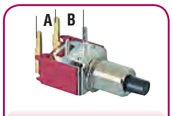


Fig. 6

Fig. 7



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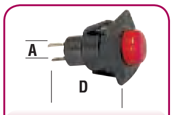

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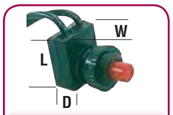


Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

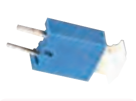
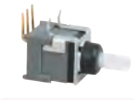


Fig. 17

Fig. 18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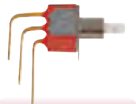
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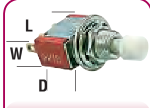


Fig. 21

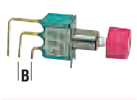


Fig. 22

Fig. 23

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating	Mounting Hole Dia.	Dimension (L" x W" x D")	Lead Spacing		Terminal Type	Button Color	Pricing		
									A"	B"			1	10	100
2125958	Judco	J987-1	23	2*	SPST on-off	2A @ 14VDC	—	.60 x .72 x .26	1.9	—	4.5" pigtail	Black	**$.95**	**$.85**	**$.75**
315388	ValuePro	PA101A1-R/BLℛ	18	2	SPST on-off	6A @ 125VAC	.250"	1.2 (D) x 1.7 (T)	.185	—	Solder	Red	**1.49**	**1.25**	**.99**
22200	Judco	J1881ℛ	10	2*	SPST on-off, Alt[1]	2A @ 14VDC	.375"	.65 x .52 x .40	.25	—	5" Pigtail	White	**1.95**	**1.75**	**1.49**
26649	ValuePro	GPB002-CN	6	2	SPST on-(off)	3A @ 125VAC	.299"	.36 (D) x 1.13 (T)	—	.17	Solder lugs	Black	**.75**	**.65**	**.59**
172700	Arctic	MPS1SPSTBLWH	17	2	SPST (on/off)	.05A @ 24VDC	—	.38 x .20 x .10	.10	—	Solder terminal	White	**.49**	**.45**	**.39**
164494	Mountain Switch	DS-450-RED	13	2	SPST off-on	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	**3.95**	**3.49**	**3.19**
315492	ValuePro	R13-23B-Bℛ	1	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Black	**1.25**	**1.09**	**.95**
315484	ValuePro	R13-23B-Rℛ	1	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	**1.25**	**1.09**	**.95**
315521	ValuePro	R13-23B-Y	2	2	SPST off-on	3A @ 125VAC	.480"	1.38 (D) x 1.53 (T)	.18	—	Solder	Yellow	**.99**	**.89**	**.79**
171774	Apem	AV191003C900	12	2	SPST off-(on)	2A @ 48VDC	.750"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	**13.95**	**12.95**	**11.49**
171758	Apem	IPR3SAD2ℛ	11	2	SPST off-(on)	.2A @ 250VAC	.500"	.76 (D) x 1.0 (T)	.19	—	Solder	Black	**14.95**	**13.95**	**12.95**
164566	Mountain Switch	MS-402-RED	7	2	SPST off-(on)	.5A @ 125VAC	.172"	.60 (D) x .80 (T)	.08	—	Solder	Red	**2.49**	**2.25**	**1.95**
315643	ValuePro	R13-81-R	7	2	SPST off-(on)	.5A @ 125VAC	.203"	.44 (D) x .78 (T)	.08	—	PC terminal	Red	**.95**	**.85**	**.75**
164639	Mountain Switch	MS3120Rℛ	15	2	SPST off-(on)	.5A @ 125VAC	.295"	.31 (D) x 1.1 (T)	.175	—	Solder	Red	**1.95**	**1.75**	**1.49**
71643	ValuePro	SWB210ℛ	8	2	SPST off-(on)	1A @ 120VAC	.219"	.36 x .20 x .33	.20	.20	PC right angle	Black	**2.95**	**2.59**	**2.39**
164582	Mountain Switch	DS016B	14	2	SPST off-(on)	1A @ 125VAC	.469"	.46 (D) x .88 (T)	.22	—	Solder	Black	**3.69**	**3.25**	**2.95**
164671	Mountain Switch	NS801M0	17	2	SPST off-(on)	1A @ 125VAC	.492"	1.0 (D) x 1.1 (T)	.213	—	Solder terminal	Black	**3.95**	**3.49**	**3.19**
22218	Judco	J1882	10	2*	SPST off-(on)	2A @ 14VDC	.375"	.65 x .52 x .40	.25	—	5" Pigtail	Red	**1.39**	**1.25**	**1.09**
2131274	Velleman	R1400A	12	2	SPST off-(on)	2A @ 48VDC	.75"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	**3.95**	**3.59**	**3.25**
106112	Mountain Switch	DS-412-RED	16	2	SPST off-(on)	3A @ 110VAC	.734"	.66 (D) x .63 (T)	.275	—	Solder lugs	Red	**1.95**	**1.75**	**1.59**
26623	ValuePro	MS102ℛ	6	2	SPST off-(on)	3A @ 125VAC	.250"	.65 (D) x 1.10 (T)	—	.14	Solder lugs	Red	**.75**	**.69**	**.59**
164486	Mountain Switch	DS-463-RED	13	2	SPST off-(on)	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	**2.95**	**2.59**	**2.09**
315580	ValuePro	R13-40B-B	5	2	SPST off-(on)	3A @ 125VAC	.480"	.87 (D) x 1.4 (T)	.20	—	Solder	Black	**1.49**	**1.35**	**1.19**
315599	ValuePro	R13-40A-Rℛ	5	2	SPST off-(on)	3A @ 125VAC	.480"	.98 (D) x 1.56 (T)	.20	—	Solder	Red	**1.49**	**1.35**	**1.19**
315432	ValuePro	R13-23A-Rℛ	1	2	SPST off-(on)	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	**1.09**	**.95**	**.85**
315651	ValuePro	R13-502A-05-BBℛ	2	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.23	—	Solder	Black	**1.95**	**1.75**	**1.49**
315678	ValuePro	R13-502A-05-BGℛ	2	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.20	—	Solder	Green	**1.75**	**1.49**	**1.25**
315660	ValuePro	R13-502A-05-BRℛ	3	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.22	—	Solder	Red	**1.95**	**1.75**	**1.59**
174414	ValuePro	R13-510A	9	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.0 (T)	—	.167	Solder lugs	Red	**.95**	**.85**	**.75**
315820	ValuePro	R13-508AL-05-BRRℛ	4	4	SPST off-(on)	3A @ 125VAC	.630"	.93 (D) x 1.14 (T)	.21	.25	Solder w/ LED	Red	**2.95**	**2.75**	**2.49**
315791	ValuePro	R13-508A-05-BBℛ	4	2	SPST off-(on)	3A @ 125VAC	.630"	.94 (D) x 1.16 (T)	.24	—	Solder	Black	**2.49**	**2.25**	**1.95**
2125771	C&K Switch	8125-SD9AV1BR	20	3	SPDT on-(off)	.02A @ 20VAC/DC	.250"	.50 x .27 x .38	—	.10	Solder right angle	White	**.89**	**.79**	**.69**
200774	ValuePro	TPI2SH8AQE	19	3	SPDT off-(on)	1A @ 120VAC	.219"	.32 x .20 x .33	.20	.10	PC right angle	Black	**3.25**	**2.95**	**2.59**
72645	AlcoSwitch	TPC11FGRA2	8	3	SPDT off-(on)	1A @ 125VAC	.203"	.32 x .26 x .37	.20	.20	PC right angle	Red	**.99**	**.89**	**.79**
121305	ValuePro	GPB006-WHℛ	21	3	SPDT on-(on)	1A @ 120VAC	.250"	.52 x .27 x .38	—	.185	Solder lugs	White	**3.75**	**3.49**	**3.15**
28063	ValuePro	PB126ℛ	21	3	SPDT on-(on)	5A @ 120VAC	.250"	.52 x .28 x .38	—	.185	Solder lugs	Red	**3.75**	**3.49**	**3.15**
154878	Eaton Corp.	PS11-123	22	3	SPDT on-(on)	5A @ 125VAC	.250"	.50 x .27 x .37	—	.14	Solder right angle	Red	**1.25**	**1.09**	**.95**

*Lead wires

[1] Alt = alternate action

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 190.*

Cord, Toggle Switches & Switch Covers

Switchcraft Cord-Switch®

- Maximum cable diameter: .375"
- Plastic insulation
- Button color: red
- Contact form: SPDT off-(on)
- 1-C switching circuit
- Die-cast zinc plated housing
- Copper alloy plated switch body and insert bushing

Part No.	Mfr. Part No.	1	10	50
297502	ED903	$14.95	$13.49	$11.95

GC Electronics Inline Cord Switch

- Contact form: SPST on-off
- Terminal: solder
- Contact rating: 6A @ 120VAC
- Black plastic body
- Rocker actuator

Web Code: CSH

Part No.	Mfr. Part No.	1	10	100
621270	35-1851-BU	$3.75	$3.49	$3.25

Switch Grab Bags

Have a variety of switches to use whenever you want. Includes an assortment of toggle, pushbutton, rocker, slide and DIP switches.

18235: 50 pieces
135378: 150 pieces

18235

Part No.	Product No.	Wt. (lbs.)	1	10
18235	GB165	0.4	$9.95	$8.95
135378	GB165LB	1.0	22.95	19.95

Jameco ValuePro Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST

Web Code: UBB

1951342

Part No.	Product No.	Contact Rating	Size (L" x D")	Type	1	10	100
171872	MKA14103	0.5A @ 100VDC	0.53 x 0.1	Axial	$.99	$.89	$.79
2099340	R1-27AAA	0.5A @ 180VDC/130VAC	1.81 x 0.07	Axial	.99	.89	.79
1951342	MKC-27103	1.0A @ 220VDC	2.24 x 0.1	Axial	1.89	1.69	1.49

Temperature Switch

- SPST-NC (Normally-Closed)
- Contact current: 5A
- Contact voltage: 120V
- Operational life: 100,000 cycles
- Contact resistance: 50MΩ or less
- Temp: 75˚C (167˚F)
- PCB mount
- 1.64"L leads
- UL/CSA approved

Part No.	Product No.	1	10	100
159636	7AM-202	$.49	$.45	$.35

Zago / Jameco ValuePro Protective and Waterproof Boot Seal Switch Covers

2126580

2150184 (Switch not included)

2150192

2150205 (Switch 164582 not included)

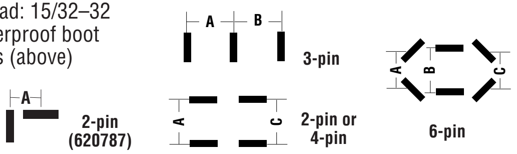
2150213 (Switch 316022 not included)

Part No.	Manufacturer	Product No.	Description	Dimensions	1	10	100
2150184	Zago	TH 605-GY	Toggle switch boot seal, gray, 1/4-40, fits miniature toggle switches (pg 78)	0.375" OD x 0.071" ID x 0.500"D	$1.95	$1.75	$1.49
2150192	Zago	TH 606-GY	Toggle switch boot seal, gray, 15/32-32, fits standard toggle switches (below)	0.625" OD x 0.209" ID x 0.890"H	1.95	1.75	1.49
2126580	ValuePro	WB-A7A	Toggle switch boot seal, black, 15/32-32, fits standard toggle switches (below)	0.324" OD x 0.226" ID x 0.978"H	2.25	1.95	1.75
2150205	Zago	RD469	Pushbutton boot cover – 85 durometer urethane for P/N 164582	0.600"Dia. x 0.266"H	2.75	2.49	2.25
2150213	Zago	RS83-59	Rocker switch boot cover – 85 durometer urethane for P/N 316022	0.857"L x 0.627"W x 0.525"H	2.75	2.49	2.25

Jameco ValuePro Standard Toggle Switches

Web Code: NAJ

- Mounting hole dia.: 1/2"
- Thread: 15/32–32
- Waterproof boot seals (above)



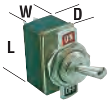


Fig. 1

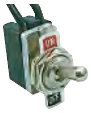


Fig. 2

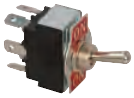


Fig. 3

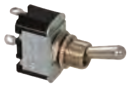


Fig. 4

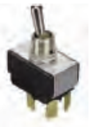


Fig. 5

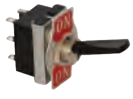


Fig. 6

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Lead Spacing C"	Terminal Type	Lever Type	Pricing 1	Pricing 10	Pricing 100
76241	ValuePro	SWM128	1	2	SPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	—	Solder lugs	Round	$1.95	$1.75	$1.49
76232	ValuePro	SWM125	2	2	SPST on-off	6 @ 125 & 3 @ 250	1.00 x .53 x .51	.23	—	—	6" lead wire	Round	2.35	2.19	1.89
2126192	LKG Philmore	30-350B	2	2	SPST on-off	8 @ 125 & 4 @ 250	1.00 x .64 x .33	.23	—	—	6" lead wire	Round	2.49	2.25	1.95
317825	ValuePro	R13-25A2-01	3	2	SPST on-off	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Round	2.75	2.49	2.19
620787	GC Electronics	35-078-BU	4	2	SPST on-off	15 @ 125 & 10 @ 250	1.13 x .63 x .60	.49	—	—	.187" quick connect	Round	4.95	4.49	3.95
318027	ValuePro	R13-28A-06	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.95	1.75	1.49
318002	ValuePro	R13-28A-01	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.75	2.49	2.19
621499	GC Electronics	35-3005	5	2	SPST on-off	20 @ 125 & 10 @ 250	.92 x .64 x .40	—	.47	—	.250" quick connect	Round	3.25	2.95	2.59
318123	ValuePro	R13-28D-01	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.39	2.19	1.89
318141	ValuePro	R13-28D-06	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	3.95	3.59	3.19
158060	ValuePro	JKN32	1	4	SPDT on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	.23	Solder lugs	Round	1.29	1.15	1.05
158078	ValuePro	JKN3CC	1	6	DPDT on-on	10 @ 125 & 6 @ 250	1.19 x .76 x .73	.44	.59	.44	Screw lugs	Round	1.49	1.35	1.25
76260	ValuePro	SWM126	1	6	DPDT on-on	5 @ 125 & 3 @ 250	1.10 x .77 x .60	.30	.60	.30	Solder lugs	Round	1.95	1.75	1.59
318043	ValuePro	R13-28B-01	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	3.95	3.39	2.95
317850	ValuePro	R13-25B1-05	6	6	DPDT on-on	10 @ 125 & 6 @ 250	1.14 x .79 x .62	.40	.40	.40	Solder lugs	Flat	1.75	1.59	1.45
567761	ValuePro	T-1224	3	6	DPDT on-off-on	10 @ 125 & 5 @ 250	1.18 x .77 x .75	.40	.60	.40	M3 screw	Round	4.49	3.95	3.59
317972	ValuePro	R13-25E1-05	6	6	DPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder lugs	Flat	2.95	2.59	2.39

For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Miniature Toggle Switches

C&K	GC ELECTRONICS	Alcoswitch	JAMECO ValuePro

JAMECO ValuePro

Miniature Toggle Switches

★Web Code: PAJ

- Mounting hole dia.: 1/4"
- Thread: 1/4/40 UNS-2B
- Waterproof boot seals (pg 77)

Includes: Mounting hardware

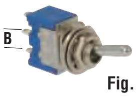


Fig. 1

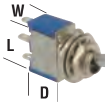


Fig. 2

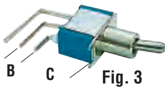


Fig. 3
(PC straight or right angle)

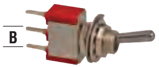


Fig. 4

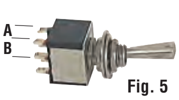


Fig. 5

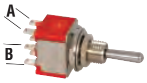


Fig. 6
(PC or solder lug)

Part No.	●Mfr.	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing			Terminal Type	Lever Type	Pricing		
								A"	B"	C"			1	10	100
2135478	JVP	T100T1B4A2ℛ	3	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.190	—	PC straight	Round	**$1.49**	**$1.39**	**$1.25**
317228	JVP	1MS9T1B1M1QE	1	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.190	—	Solder lugs	Round	**1.95**	**1.75**	**1.59**
317287	JVP	1MS9T6B11M1QE	2	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	**1.49**	**1.35**	**1.19**
76523	JVP	JMT113	1	2	SPST on-off	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	**1.49**	**1.39**	**1.25**
2135486	JVP	T101T1B4A2ℛ	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.190	—	PC straight	Round	**1.95**	**1.75**	**1.55**
317236	JVP	1MS1T1B1M1QE	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	**1.39**	**1.25**	**1.09**
2135857	JVP	GTS103	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.185	—	Solder lugs	Round	**1.55**	**1.25**	**1.09**
2151179	C&K	7101SHZ3BE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	**2.49**	**2.25**	**1.95**
317295	JVP	1MS1T6B11M1QE	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	**1.49**	**1.35**	**1.09**
317332	JVP	1MS2T6B11M1QE	2	3	SPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	**1.75**	**1.55**	**1.35**
22833	JVP	MS102F1-Rℛ	2	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .28 x .36	—	0.185	—	Solder lugs	Flat	**1.75**	**1.55**	**1.35**
71597	JVP	SWM148	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.133	0.51	PC right angle	Round	**1.09**	**.99**	**.89**
75871	JVP	SWM145	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	0.20	PC right angle	Round	**1.65**	**1.49**	**1.35**
26332	JVP	MPC123Rℛ	4	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	**1.99**	**1.79**	**1.59**
21936	JVP	JMT123 (blue)	1	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	**1.75**	**1.55**	**1.35**
317244	JVP	1MS3T1B1M1QE	1	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	**1.75**	**1.59**	**1.39**
317308	JVP	1MS3T6B11M1QE	2	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	**1.75**	**1.59**	**1.39**
317252	JVP	1MS4T1B1M1QE	1	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	**1.49**	**1.35**	**1.19**
317316	JVP	1MS4T6B11M1QE	2	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	**1.75**	**1.59**	**1.39**
317261	JVP	1MS5T1B1M1QE	1	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	**1.49**	**1.35**	**1.19**
317324	JVP	1MS5T6B11M1QE	2	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	**1.59**	**1.39**	**1.19**
2145174	JVP	T104T1A2QNℛ	4	3	SPDT (on)-off-(on)	5 @ 125 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	**1.75**	**1.59**	**1.39**
75889	JVP	SWM129	1	3	SPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	**1.75**	**1.59**	**1.39**
21910	JVP	JMT121	1	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	**1.49**	**1.35**	**1.25**
26315	JVP	MPC121	4	3	SPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	**1.65**	**1.49**	**1.35**
317472	JVP	1MD1T6B11M1QE	5	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	**1.95**	**1.75**	**1.49**
75900	JVP	SWM133	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	**1.95**	**1.75**	**1.49**
21979	JVP	JMT223	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	**1.75**	**1.49**	**1.25**
26367	JVP	GTS112-Pℛ	6	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .50 x .41	0.20	0.157	—	PC straight	Round	**1.65**	**1.49**	**1.35**
22859	JVP	GTS172BLK	5	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	**1.95**	**1.75**	**1.55**
317498	JVP	1MD4T6B11M1QE	5	6	DPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	**1.95**	**1.75**	**1.59**
317447	JVP	1MD5T1B1M1QE	6	6	DPDT on-off (on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Round	**1.25**	**1.09**	**.99**
317501	JVP	1MD5T6B11M1QE	5	6	DPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	**1.25**	**1.09**	**.99**
202964	JVP	WI24	3	6	DPDT on-off-(on)	6 @ 125 & 3 @ 250	.50 x .50 x .46	0.15	0.150	0.055	PC right angle	Round	**.75**	**.65**	**.59**
75951	JVP	SWM130	6	6	DPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	**1.95**	**1.75**	**1.49**
26358	JVP	MPC221	6	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	PC straight	Round	**1.95**	**1.75**	**1.49**
21952	JVP	GTS114	6	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	**1.95**	**1.75**	**1.49**
22841	JVP	GTS164BLK	5	6	DPDT on-off-on	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	**1.49**	**1.25**	**1.09**
620576	GCE	35-009	6	6	DPDT on-on-on	5 @ 125 & 2 @ 250	.50 x .45 x .40	0.23	0.150	—	Solder lugs	Round	**3.95**	**3.59**	**3.19**
2135304	C&K	7301SYCB5ERℛ	6	9	3PDT on-on	5 @ 120 & 2 @ 250	.70 x .50 x .40	0.23	0.150	—	PC straight	Round	**9.95**	**8.95**	**7.95**
547436	ALC	MTA306D	6	9	3PDT on-on	6 @ 125 & 3 @ 250	.70 x .51 x .45	0.19	0.190	—	Solder lugs	Round	**18.95**	**17.49**	**15.95**

REVERSIBLE GEAR HEAD MOTORS

Part No.	Voltage	Price
155012	12VDC	**$24.95**
176032	24VDC	**25.95**

See page 93 for the complete selections

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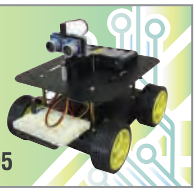
P/N 2140285 **$159.95**



● ALC = AlcoSwitch | C&K = C&K Switches | GCE = GC Electronics | JVP = Jameco ValuePro

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Subminiature Toggle, Rocker & Specialty Switches

JAMECO ValuePro

Subminiature Toggle Switches

★ Web Code: NAN

- Mounting hole diameter: 7/32 (.21875")
- Thread: 10-48 UNS
- Pre-tinned leads
- Round lever
- Metal construction

Includes: Mounting hardware

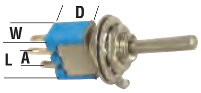


Fig. 1

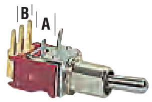


Fig. 2

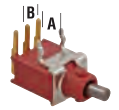


Fig. 3

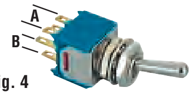


Fig. 4

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Terminal Type	Pricing 1	Pricing 10	Pricing 100
72161	ValuePro	SW1501ℛ	1	2	SPST on-off	5A @ 125VAC & 2A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	**$1.49**	**$1.35**	**$1.19**
2121199	ValuePro	DS-41T1B1A1ℛ	1	3	SPST on-off	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	.10	Solder lugs	**1.39**	**1.25**	**1.09**
567752	Fujisoku	AT1D-6M3	2	3	SPDT on-on	0.05A @ 48VDC/VAC	.37 x .22 x .33	.10	—	PC right angle	**.99**	**.89**	**.75**
106067	ValuePro	SWP124	2	3	SPDT on-on	0.4VA max.	.25 x .33 x .40	.20	.10	PC right angle	**1.99**	**1.79**	**1.59**
75969	ValuePro	SWM136	1	3	SPDT on-on	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	**1.85**	**1.69**	**1.49**
72557	ValuePro	GTS304	1	3	SPDT on-off-on	1.5A @ 250VDC	.32 x .20 x .28	.10	—	Solder lugs	**1.19**	**1.05**	**.95**
2076228	C&K (sealed)	ET05J6ABE	3	3	SPDT (on)-off-(on)	0.4VA @ 20VDC/VAC	.32 x .32 x .20	.20	.08	PC right angle	**.59**	**.55**	**.49**
75977	ValuePro	SWM137	4	6	DPDT on-on	3A @ 125VAC	.33 x .37 x .33	.17	.10	Solder lugs	**1.59**	**1.45**	**1.25**
138907	ValuePro	SW1503	4	6	DPDT on-off-on	3A @ 125VAC & 1.5A @ 250VAC	.36 x .37 x .33	.17	.10	Solder lugs	**1.49**	**1.35**	**1.09**

JAMECO ValuePro

Panel Mount Rocker Switches

★ Web Code: VBU

316048

316136

1945276

316451

2120196

577221

196154

316022

316014

1945241

316072

617473

316111

316153

Standard Appliance Rocker Switches

Part No.	●Mfr.	Product No.	Pins	Contact Form ( ) Momentary	Contact Rating (A @ VAC)	Dimemsions (L" x W" x D")	Lead Space A"	Lead Space B"	Rocker Color	Terminal Type	Pricing 1	Pricing 10	Pricing 100
316048	JVP	R13-66B-G-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .47	.31	.31	Green illum.	.187" quick connect	**$1.25**	**$1.19**	**$1.05**
316128	JVP	R13-73B-R-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Red illum.	.187" quick connect	**1.65**	**1.49**	**1.35**
316136	JVP	R13-73B-Y-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Yellow illum.	.187" quick connect	**1.09**	**.99**	**.89**
1945276	PRO	BR-12A-55S	2	SPST on-off	10 @ 125 & 5 @ 250	.83 x .59 x .59	.31	—	Light gray	5.5" wire leads	**.39**	**.29**	**.25**
316451	JVP	R13-243A-02	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .37 x .85	.35	—	Black	.187" quick connect	**.95**	**.85**	**.75**
2120196	JVP	HF-606	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.27	—	Black	.187" quick connect	**.99**	**.89**	**.79**
1945284	PRO	R13-66	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.31	—	Dark gray	5.5" wire leads	**.49**	**.39**	**.29**
577221	CHY	RRA22H3BBBNN	2	SPST on-off	12 @ 125 & 10 @ 250	.69 x .51 x .64	.35	—	Black	.187" quick connect	**.99**	**.89**	**.79**
196154	JVP	R30NSA-B/B	2	SPST on-off	15 @ 125 & 7.5 @ 250	1.07 x .42 x .77	.45	—	Black	.250" quick connect	**.75**	**.69**	**.65**
316022	JVP	R13-66A-R-02ℛ	2	SPST on-off	15 @ 125 & 8 @ 250	.83 x .59 x .63	.31	—	Red	.187" quick connect	**.99**	**.89**	**.79**
316014	JVP	R13-66A-B-02ℛ	2	SPST on-off	16 @ 125 & 10 @ 250	.83 x .59 x .63	.31	—	Black	.187" quick connect	**.99**	**.89**	**.79**
2126205	LKG	30-600B	2	SPST on-off	20 @ 125 & 10 @ 250	1.70 x .97 x .70	.25	—	Black	.250" quick connect	**2.25**	**1.95**	**1.75**
1945241	ITW	163-099-029	3	SPDT	16 @ 125 & 12 @ 250	1.2 x .55 x .59	.26	.26	Black	.250" quick connect	**.39**	**.35**	**.25**
316072	JVP	R13-66D-02	3	SPDT on-off-on	16 @ 125 & 10 @ 250	.83 x .59 x .47	.31	.31	Black	.187" quick connect	**.99**	**.89**	**.79**
617473	GCE	35-695	3	SPDT (on)-off-(on)	16 @ 125 & 16 @ 250	.93 x .43 x .62	.34	.56	Black	.250" quick connect	**4.49**	**3.95**	**3.59**
316111	JVP	R13-73A2-B-02ℛ	4	DPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .68	.20	.34	Black	.187" quick connect	**1.49**	**1.35**	**1.19**
316153	JVP	R13-73C-R-02ℛ	4	DPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .87	.20	.34	Red illum.	.187" quick connect	**1.49**	**1.35**	**1.19**

Specialty Switches

617764

617529

617545

588182

588131

617490

Pull Chain Switch

★ Web Code: SPS

- Current rating: 6A @ 20VAC/VDC; 3A @ 120VAC

Part No.	●Mfr.	Mfr. Part No.	Contact Form	Actuator	Terminal Type	1	10	100
617764	GCE	35-864	SPST on-off	3½" pull chain	6" wires	**$2.95**	**$2.75**	**$2.49**

Magnetic Proximity

- Current rating: 0.5A @ 20VAC/VDC; 0.08A @ 120VAC, P/N 588123/588182/588131: 30VAC @ .3A

617529	GCE	35-752	SPDT NO/NC	Use magnet	Leaded SD	**$9.95**	**$8.95**	**$7.95**
617545	GCE	35-756	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	**6.25**	**5.59**	**4.95**
588123	C&K	MPS20WGW	SPST NO	Use magnet	Screw term., 1" gap, surface mount	**7.95**	**6.95**	**6.29**
588182	C&K	MPS9WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	**6.29**	**5.59**	**4.75**
588131	C&K	MPS45WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	**5.95**	**5.49**	**4.95**

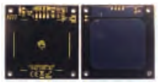
Knife Switch

- Current rating: 0.5A @ 6VDC
- Mounting hole: 3.4mm

617490	GCE	35-730	DPDT on-off-on	Plastic handle	Screw terminal, 0.6" gap/1.25" gap	**$3.95**	**$3.55**	**$3.19**

ROGUE robotics

Capacitive Touch Switch



- 1.7µA @ 1.8V to 80µA @ 5V
- Auto calibrate on power up for panel/overlay thickness (up to 0.4")
- No moving parts, can be mounted behind wood, platic, glass, fabric, etc.
- Use for kiosk control panel, interactive art, industrial control panel or props

Part No.	Mfr. Part No.	Size	1	5
2135806	RK-150	2" x 2"	**$12.95**	**$11.95**

FORCE SENSING RESISTOR

Pololu Robotics & Electronics

This force sensing resistor (FSR) is a passive component that exhibits a decrease in resistance. These devices are optimized for use in human touch control electronic devices.

See complete details on page 86.

Part No.	Size	1	10
2128260	.72"Dia. /.5"Dia.ℛ	**$7.95**	**$7.25**
2136471	1.7"L x 1.5"Wℛ	**8.95**	**8.49**

● CHY = Cherry | C&K = C&K Switches | GCE = GC Electronics | JVP = Jameco ValuePro | ITW = Illinois Tool | LKG = LKG Industries Inc. | PRO = Pronic Electronic

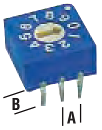
★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Rotary, Keylock & DIP Switches

4 LEVELS OF SAVINGS			
NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

ECE Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Op. force: 500g-cm max.
- Lead spacing: A = 0.1"; B = 0.3"
- Size: .39"W x .39"D x .20"H
- Material: UL94V-0 grade • Top adjustment
- Max. switching load rating: 25mA @ 24VDC



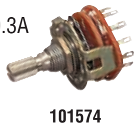
139636

★Web Code: UAX

Part No.	Mfr. Part No.	Type	Pos.	1	10
139636	ERD110RSZℛ	BCD	10	$2.89	$2.59
139652	ERD116RSZℛ	HEX	16	2.95	2.65

JAMECO ValuePro Rotary Switches

- Contact rating: 30VDC @ 0.3A; except P/N 2099631: 125VAC @ 0.3A
- Insulation resistance: 10MΩ min.
- Mounting hole diameter: 3/8"; except P/N 2099631: 0.348"
- Contact resistance: 30mΩ
- Material: solid brass bushings, slotted aluminum shafts (except for P/N 2099631: D-type); round, plated frame, plastic contact wafer (except for P/N 2099631 – phenolic casing)
- Make before break; except P/N 2099631: break before make • Panel mount
- Solder eyelet lugs • Layers: 1
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 2099631: 0.34"L x 0.25" Dia. • Lug size: 0.07"



101574

Includes: Washer and nut

Part No.	Product No.	Poles	Pos.	1	10	100
101532	G3SR026ℛ	1	12 ...	$1.09	$.95	$.85
2099631	SR2511-0205	2	5	1.09	.95	.85
101574	G3SR022ℛ	2	6	1.09	.95	.85
101566	G3SR023ℛ	3	4	1.09	.95	.85
101558	G3SR024ℛ	4	3	1.09	.95	.85

C&K A Series Rotary Switches

- 30° index flatted actuator, 3/8-32 threaded mounting style
- Solder lug or PC thru-hole termination
- Dielectric strength: 1000Vrms
- 15,000 make & break cycles
- Contact resistance: 20mΩ typical @ 2-4VDC
- Contact rating: 2.5A @ 125VAC; 350mA @ 250VDC
- Contact and terminals: brass, silver plated
- Housing/actuator: glass filled 6/6 nylon (UL94V-0)

576501

Part No.	Mfr. Part No.	Type	Pos.	Act. Ht.	1	10
576501	A11215RNZQℛ	SP	12	1.5" ..	$5.49	$4.95
576421	A20615RNZQ	DP	6	1.5"	5.49	4.95
2132234	A30403RNCBE	3P	4	0.375" ...	3.95	3.59

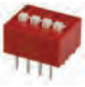
★*Rotary Switches Online — Enter Web Code DAM*

Grayhill Series 5000 Single Deck Rotary Switch

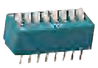
- 0.470" mounting hole
- Make & break rating: 1A @ 115VAC or 0.5A @ 220VAC
- Contact resistance: 10mΩ initial
- Insulation resis.: 50,000MΩ • Shorting contacts
- Life expectancy: 100,000 cycles • Material: switch base - melamine; nut - brass tin/zinc plated, cover/stop/washers/bushing - brass tin/zinc plated

Part No.	Mfr. Part No.	Type	Pos.	1	10
2135363	05001-05S	1	5	$9.95	$8.95

Standard, Low Profile, Piano & Right Angle DIP Switches



696950
(Standard)

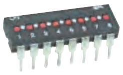


38842
(Standard)

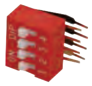
696917
(Standard)

38801
(Standard)

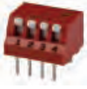
139003
(Low Profile)



139012
(Low Profile)



2076156
(Right Angle)



696802
(Piano Style)

Compatible Socket Chart,
see page 15 for Sockets

Switch	Socket	Switch	Socket
2-position	112193	7-position	112214
3-position	112193	8-position	112222
4-position	112206	9-position	112231
5-position	112214	10-position	38608
6-position	112214	12-position	112282

★Web Code: UCY

- Switch contacts: SPST (except P/N **2122781** – DPST)
- Piano switches have raised lever

Part No.	Product No.	●Mfr.	*Type	Pos.	Pricing 1	10	100
2122781	78F02ℛ	GRY	1,5	2	$.59	$.49	$.45
1951385	206-2LP	JVP	2,6	2	.55	.49	.45
2076156	SDAX-2RX-X	BNS	3,5	2	.39	.35	.29
109059	206-2-VP-Rℛ	JVP	1,5	2	.85	.79	.69
206359	206-3	JVP	1,5	3	.45	.39	.35
202472	ADF03	ALC	2,6	3	.45	.39	.35
696802	DP-04Bℛ	JVP	1,4	4	.85	.75	.69
38820	DT-04VPℛ	JVP	1,5	4	.85	.75	.65
696950	78B04STℛ	GRY	1,5	4	1.25	1.09	.89
2082231	3-4356405	AMP	1,7	4	.59	.49	.45
696888	76SB04ℛ	GRY	1,7	4	.99	.89	.79
206499	DPS804	FJT	2,4	4	.49	.45	.39
139003	206-4LPℛ	JVP	2,5	4	.99	.89	.79
2076164	SDAX-4RX-X	BNS	3,5	4	.39	.35	.29
2076181	SDAX-4RX-T	BNS	3,5	4	.49	.45	.39
2082249	JS8805	JVP	1,6	5	.45	.39	.35
2082505	206-517	JVP	1,7	5	.39	.35	.29
2082513	206-518	AMP	1,8	5	.39	.35	.29
546759	3-435668	JVP	1,8	5	.35	.29	.25
2076674	DPL-06KT	JVP	1,4	6	.49	.45	.39
38826	206-6	JVP	1,5	6	.95	.85	.75
2076201	A6D-6100LP	OMN	2,6	6	.49	.45	.39
38834	206-7	JVP	1,5	7	.49	.45	.39

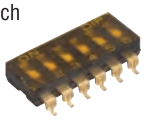
Part No.	Product No.	●Mfr.	*Type	Pos.	Pricing 1	10	100
2082257	BD07	C&K	1,5	7	$.49	$.45	$.39
472569	78B07S	GRY	1,5	7	.99	.89	.75
2082441	KS21193	JVP	1,7	7	.55	.49	.45
2082450	76RSB07S	GRY	1,8	7	.69	.65	.59
38842	206-8	JVP	1,5	8	.85	.75	.65
38843	206-8Rℛ	JVP	1,5	8	.75	.65	.59
696968	78B08STℛ	GRY	1,5	8	1.29	1.15	.99
2082484	5-435810-4	AMP	1,7	8	.69	.65	.59
696917	76SB08STℛ	GRY	1,7	8	1.25	1.09	.95
546581	435640-5	ALC	1,7	8	.75	.69	.65
1939562	4-435626-2	AMP	1,8	8	.69	.65	.59
139012	DK-08Rℛ	JVP	2,6	8	1.09	.99	.89
2082476	JS8722-9	JVP	1,5	9	.49	.45	.39
101857	206-9ℛ	JVP	1,5	9	.65	.59	.55
2082273	1109-6952	JVP	1,6	9	.49	.45	.39
38797	206-10	JVP	1,5	10	.75	.65	.59
38799	206-10Rℛ	JVP	1,5	10	.69	.65	.59
2082281	JS8800-10	JVP	1,6	10	.55	.49	.45
2082468	206-1017	JVP	1,7	10	.69	.65	.59
2082492	206-1018	JVP	1,8	10	.69	.65	.59
2133544	90B10SL	GRY	2,8	10	.89	.79	.69
206481	2-435802-2	AMP	1,4	12	.65	.59	.55
2082290	902018	JVP	1,6	12	.59	.55	.49

*1. Standard; 2. Low Profile; 3. Right Angle; 4. Piano Style; 5. Slide Raised; 6. Slide Flush; 7. Rocker Raised; 8. Rocker Flush

SMT Low Profile DIP Switches

- Insulation resistance: 1000MΩ (min.) across open switch & between adjacent closed switch
- Contact resistance: 100mΩ initial • Bottom seal/top tape seal
- Dielectric strength: 300VAC for 1 min. • Low-profile
- Non-switching rating: 100mA or 50VDC max. • Length: 0.246"
- Gold plated beryllium copper contacts, gold flash coated terminals

★Web Code: SDS



Part No.	Manufacturer	Product No.	Positions	Type	1	10	100
2076199	Grayhill	90HBI04SR	4	SPST	$.29	$.25	$.19
2144711	AMP/Tyco	390221-5	5	SPST	.39	.35	.29
1945022	ValuePro	SMT-6PDS	6	SPST	.49	.45	.39

JAMECO ValuePro SPST Round Keylock Switches

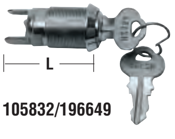
- Used in computer and other security systems
- Mounting hole = 0.75" (except P/N 106650 = 0.5")
- Key removable from 2 positions
- Two keys

105832: All keys are different;
196649: All keys are alike **Includes:** Mounting nut

★Web Code: RAN

JAMECO EXCLUSIVE

106650



105832/196649

Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	100
106650	KS4Bℛ	2, 0.21"	0.55"	Barrel	125VAC/3A	$5.49	$4.95	$4.49
105832	KS3Bℛ	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.49	4.95	4.49
196649	3313E-Mℛ	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.95	5.49	4.95

● ALC = Alcoswitch | AMP = AMP/Tyco | BNS = Bourns | C&K = C&K Switches | FJT = Fujitsu | GRY = Grayhill | JVP = Jameco ValuePro | OMN = Omron

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro 12-Button Keypads

- Contact resistance: 200Ω max.

Numeric

2082206

- 8-pin & 10-pin .100" header
- 10 pin w/ multicolor wires
- Contact rating: 12VDC @ 20mA
- Life test: 1,000,000 cycles per key
- Size: 3.0"L x 2.2"W x 0.6"H (8-pin) white
- Size: 2.5"L x 2.1"W x 0.4"H (10-pin) black

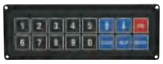
Part No.	Description	1	10	100
190562	8-pin header keypadℛ	$6.95	$6.25	$4.95
2081828	10-pin wire keypad	2.95	2.59	2.25
2082206	10-pin header keypad	2.95	2.59	2.25

Alpha/Numeric – Nickel

- 8-pin solder pad
- Contact rating: 24VDC @ 20mA
- Life test: 2,000,000 cycles per key
- Nickel metal form factor and keys
- Size: 4.36"L x 1.56"W x 0.62"H
- Use header P/N 153702 and socket P/N 103203

Part No.	Description	1	5
2113455	2x6 keypad	$9.95	$8.95

16-Button Indoor/Outdoor Keypads


196171

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Size (housing): 4.7"W x 1.7"H x 0.4"T
- Recommended connector: P/N 103191 header & 100766 pin, pg 66

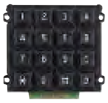
152063

Part No.	Description	1	10	100
196171	2x8 matrix keypadℛ	$14.95	$13.49	$12.49
152063	4x4 matrix keypadℛ	16.95	15.49	13.95

★Keypads Online — Enter Web Code XBA

JAMECO ValuePro 16-Button Numeric Keypad

- Contact resis.: 200Ω max.
- 8-pin solder pad
- Contact rating: 24VDC @ 20mA
- Life test: 1,000,000 life cycles per key
- 8-pin male header, use for P/N 153702 (straight) or P/N 153728 (right angle)
- Size: 3.0"L x 2.8"W x 0.6"H



Part No.	Description	1	10	100
169245	4x4 keypadℛ	$9.95	$8.95	$7.95

Tactile Switches

★Web Code: QBF

- Bounce time: 10 msec.
- SPST momentary ON
- Lead type: PC
- Contact resistance: 100mΩ

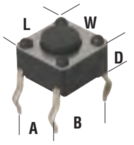


Fig. 1

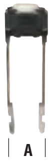


Fig. 2

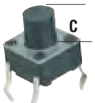


Fig. 3

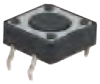


Fig. 4

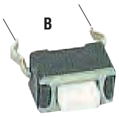
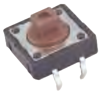


Fig. 5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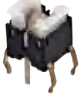
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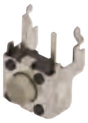


Fig. 8

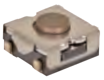


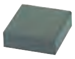
Fig. 9

✳ Order in multiples of 10

Part No.	●Mfr.	Product No.	Fig.	Pins	Dimensions (ins.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100
1586074	PAN	EVQ-PAG04K	1	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	$.35	$.29	$.25
199726	PAN	EVQ11A04M	2	2	.24	.24	.14	.03	.20	.17	20 @ 15	White	.39	.35	.29
2095120	PAN	EVQ11L07K	2	2	.24	.24	.14	.11	.20	—	20 @ 15	Black	.39	.35	.29
119011	JVP	KTIIBICMℛ	1	4	.24	.24	.15	.03	.17	.25	20 @ 15	Black	.35	.29	.25
149948	JVP	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.35	.29	.25
122973	JVP	DTS1212ℛ	4	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.39	.35	.29
155249	JVP	KRS-3550-BKℛ	5	2	.24	.14	.15	—	—	.27	50 @ 12	Black	.39	.35	.29
155256	JVP	KRS-3550-WH	5	2	.24	.14	.15	.03	—	.26	50 @ 12	White	.39	.35	.29
153252	JVP	SDT620Kℛ	1	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.35	.29	.25
155380	JVP	KRS-1273Bℛ♦	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.45	.39	.35
153251	ESW	TL1105-A+	1	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.19
202956	JVP	KSM06330	7	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	✳	.09	.08
162886	OMN	B3F-1000ℛ	1	4	.24	.24	.13	.03	.17	.25	50 @ 24	White	.39	.35	.29
1953575	OMN	B3F-3122	8	4	.29	.29	.25	.06	.17	.28	50 @ 24	Gray	.35	.29	.25
2076261	OMN	B3E-1100-Red*	7	4	.24	.24	.19	.07	.17	.25	50 @ 24	Red	.29	.25	.22
2076287	OMN	B3E-1300-Green*	7	4	.24	.24	.19	.07	.17	.25	50 @ 24	Green	.29	.25	.22
2076252	ITT	KSC121JB	9	4	.24	.24	.10	—	.15	.26	50 @ 32	Gray	✳	.09	.07
2076148	JVP	KFC-A12-A	1	4	.47	.47	.15	.08	.17	.50	100 @ 50	Black	.35	.29	.25

* Illuminated ♦ See switch cap below

Tactile Switch Caps


155389

155409

Order in multiples of 10

Part No.	●Mfr.	Cross Ref. No.	Description	Dimensions	Material	For Use With	10	100	1000
155389	JVP	KRS-CAP-A	Square	.47"L x .47"W x .16"H	Plastic	P/N 155380	$.15	$.12	$.09
155409	JVP	KRS-CAP-Bℛ	Round	.50"Dia. x .25"H	Plastic	P/N 155380	.15	.12	.09

Switch Assortment Kit

SAVE $96

★Web Code: CKS

- 20-drawer component cabinet (319600)
- 20 clear dividers (319611), pg 155
- 20 clear plastic drawers (319601)
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 78
- 30 adhesive labels for drawers to identify parts in kit
- 10 ea. pushbutton switches (26623, 26649), pg 76
- 10 ea. slide switches (109171), pg 75
- 10 ea. DIP switches (NM, 38843), pg 80
- 10 ea. tactile switches (153252), above

Part No.	Description	Wt. (lbs.)	1	5
85059	150 pcs. switch kit	5.0	$99.95	$89.95

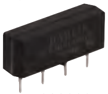
Aromat ECE KEST HAMLIN

DIP & SIP Relays

★Web Code: QAN

- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant

106463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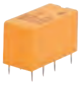
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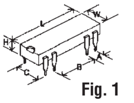

Fig. 1

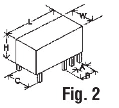

Fig. 2

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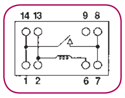

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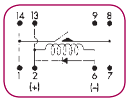

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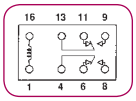


Part No.	Manufacturer	Product No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Dimensions (L" x W" x H")	Leads (A" x B"x C")	Pricing 1	10	100
106463	Excel	201A05ℛ	1A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	$2.75	$2.49	$2.25
138431	Excel	2D1A05ℛ	1B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.75	2.49	2.25
1860088	Hamlin Breed	HE3621A0510ℛ	—	SPST-NO	5VDC	1000	200VDC	0.5A	4†	—	.75 x .20 x .30	.20 x .60	1.35	1.19	.99
106472	Excel	201AIZℛ	1A	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	.78 x .25 x .20	.10 x .40 x .30	2.19	1.95	1.75
173914	Aromat	DS2YE-S-DC5V	2C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37401	.79 x .38 x .44	.18 x .28 x .29	2.49	2.25	1.95
139977	ValuePro	RSB5S	2C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.75	2.49	2.25
2081414	KEST	KS2E-M-DC5	2C	DPDT	5VDC	128	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25
2081377	KEST	KS2E-M-DC12	2C	DPDT	12VDC	708	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25
99311	Aromat (NAIS)	DS2Y-S-DC12Vℛ	2C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.95	2.75	2.49
2081406	KEST	KS2E-M-DC24	2C	DPDT	24VDC	1440	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.75	2.49	2.25

† SIP

● **ESW = E-Switch Inc. | ITT = ITT Cannon | JVP = Jameco ValuePro | OMN = Omron | PAN = Panasonic**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Small PC Mount Relays

Designed for the appliance and temperature control markets, these relays are also well suited for automotive load management.

★Web Code: SAV

- Mechanical life: 10 million operations
- Electrical life: 100,000 operations
- Dielectric strength: 1500V_{RMS} (between contact and coil)

Fig. 1

Fig. 2

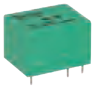


Fig. 3

Fig. 4

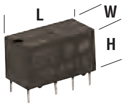


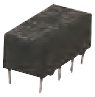
Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9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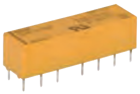
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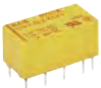
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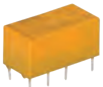
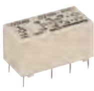


Fig. 13

Fig. 14

Fig. 15

Fig. 16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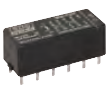
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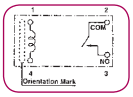

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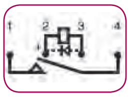
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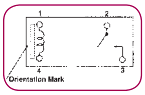

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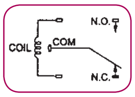

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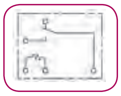
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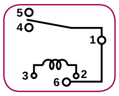

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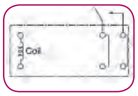

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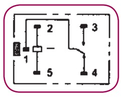
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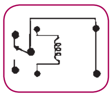
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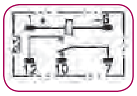
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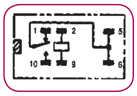
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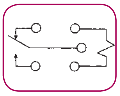
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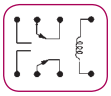
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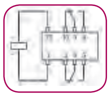
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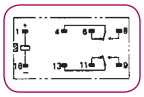
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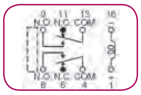

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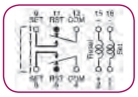

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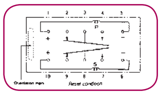

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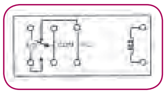
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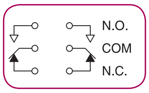

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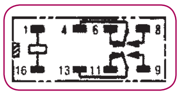
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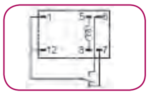
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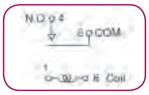

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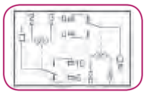
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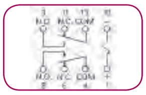

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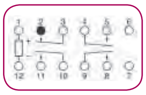

Z

Part No.	Manufacturer	Mfr. Part No.	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Current	Contact Voltage	Pins	Dimensions (L" x W" x H")	Pricing		
												1	10	50
2077394	Fujitsu	JV-3S-KT	—	1A	SPST-NO	3VDC	45	5A	250VAC/30VDC	4	.69 x .39 x .49	**$2.49**	**$2.25**	**$1.95**
1860070	Hamlin	HE3621A0500ℛ#	—	1B	SPST-NO	5VDC	500	1A	200VDC	4	.75 x .19 x .30	**1.75**	**1.55**	**1.25**
2077271	Fujitsu	FTR-F2AL006T	—	1C	SPST-NO	6VDC	145	5A	250VAC/30VDC	4	.95 x .43 x .98	**.99**	**.89**	**.79**
2129828	Aromat	JW1AFEN-DC12ℛ	—	15W	SPST	12VDC	270	10A	250VAC/30VDC	4	1.12 x .50 x .79	**1.49**	**1.29**	**1.09**
2077378	Fujitsu	FBR161NED006-WB	—	2D	SPST	6VDC	100	10A	120VAC/30VDC	5	.85 x .63 x .63	**1.25**	**1.09**	**.95**
2120217	Bestar	BS-114	—	3E	SPST	12VDC	320	10A	120VAC/30VDC	5	.85 x .63 x .63	**1.95**	**1.75**	**1.49**
145753	Rayex*	L90A-12Wℛ	T90S1D12-12	4F	SPST	12VDC	155	30A/20A	240VAC/28VDC	5	1.2 x 1.0 x .77	**2.95**	**2.75**	**2.25**
2125350	Panasonic	ALZ21B24	—	5G	SPST	24VDC	1440	16A	440VAC	6	1.13 x .49 x .62	**1.95**	**1.75**	**1.49**
134949	Rayex	L90-5W	T90S5D12-5	4F	SPDT	5VDC	27	20A	240VAC/28VDC	6	1.3 x 1.1 x .80	**1.95**	**1.75**	**1.49**
187151	Omron	G5LE-1DC5ℛ	—	2H	SPDT	5VDC	63	10A/8A	120VAC/30VDC	5	.90 x .65 x .75	**1.49**	**1.35**	**1.19**
843155	Panasonic	JS1-5V	T7C55D-05	6D	SPDT	5VDC	69.4	10A/5A	250VAC/100VDC	5	.87 x .63 x .63	**1.29**	**1.19**	**1.05**
174450	Rayex	LU-5ℛ	T81H5D215	7I	SPDT	5VDC	125	1A/2A	120VAC/24VDC	6	.60 x .40 x .45	**1.95**	**1.69**	**1.49**
187240	Omron	G5V-1-DC5ℛ	T5C-105L3H	8K	SPDT	5VDC	166.7	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	**2.95**	**2.59**	**2.35**
2131805	Fujitsu	FBR211AD006M	—	14V	SPDT	6VDC	80	.5A/1A	120VAC/28VDC	6	.59 x .40 x .41	**1.25**	**1.09**	**.95**
454563	Hasco	KLTIC12DC9	—	7L	SPDT	9VDC	225	12A	120VAC/28VDC	5	.73 x .59 x .61	**1.95**	**1.75**	**1.49**
144186	Velleman	JZC-22F	VR15M121C	7L	SPDT	12VDC	337	15A	120VAC/28VDC	5	.80 x .64 x .80	**1.95**	**1.75**	**1.49**
174432	Rayex	LEG-12Fℛ	T7CS5D12	7L	SPDT	12VDC	400	15A	120VAC/24VDC	5	.76 x .62 x .60	**2.25**	**2.09**	**1.89**
184461	Omron	G5V-1-DC12ℛ	—	8K	SPDT	12VDC	960	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	**2.49**	**2.29**	**2.09**
172937	Nais (Aromat)	JS1-12V	T72M5D121-12	6D	SPDT	12VDC	400	10A/5A	125VAC/24VDC	5	.85 x .62 x .63	**1.55**	**1.39**	**1.19**
2078186	Fujitsu	FBR161NED012	T7CS5D-12	7D	SPDT	12VDC	400	10A	125VAC/30VAC	5	.80 x .60 x .60	**1.25**	**1.09**	**.95**
187400	Omron	G6E-134P-ST-US-DC48	—	8J	SPDT	48VDC	5760	.4A/2A	125VAC/30VDC	5	.63 x .39 x .33	**1.49**	**1.25**	**1.09**
2135726	NEC	EP2-3NIST**	—	16X	DPST	12VDC	225	25A	30VDC (max.)	10	.94 x .64 x .63	**1.95**	**1.75**	**1.59**
2133528	Siemens	V23042-C2108-B101	—	17Z	DPDT	3VDC	90	5A	220VAC/250VDC	8	.80 x .40 x .42	**1.49**	**1.35**	**1.19**
2077255	NEC	EE2-4.5NUX-L†	SMD-PKG	9M	DPDT	4.5VDC	145	.5/2A	125VAC/30VDC	8	.59 x .30 x .35	**.75**	**.69**	**.65**
2135291	NEC	EC2-4.5NFRℛ§	—	5U	DPDT	4.5VDC	145	2A	125VAC/220VDC	8	.59 x .30 x .37	**1.25**	**1.19**	**.99**
2095390	ValuePro	V23079A1011B301	—	5N	DPDT	4.5VDC	145	2A	250VAC/220VDC	10	.57 x .28 x .39	**1.75**	**1.49**	**1.25**
2077415	Fujitsu	BA-5W-K	—	10M	DPDT	5VDC	100	.5A/1A	125VAC/30VDC	8	.59 x .29 x .38	**2.25**	**1.95**	**1.75**
187282	Omron	G6A-234PSTUSDC5ℛ	C93416	10O	DPDT	5VDC	125	.3A/1A	125VAC/30VDC	8	.80 x .33 x .40	**5.49**	**5.25**	**4.95**
842953	Panasonic	DS2E-S-DC5VR	—	11P	DPDT	5VDC	125	2A	125VAC/30VDC	8	.79 x .39 x .39	**4.49**	**3.95**	**3.59**
843649	Panasonic	TXA2SA-5Vℛ	—	9M	DPDT	5VDC	178	2A	30VDC	8	.59 x .29 x .22	**2.25**	**1.95**	**1.69**
2081650	NEC	EC2-5NJ	—	5M	DPDT	5VDC	178	2A	220VAC/220VDC	8	.59 x .30 x .37	**2.49**	**2.25**	**1.95**
2120516	Panasonic	DS2Y-SL2-DC6V††	—	12Q	DPDT	6VDC	200	2A	250VAC/220VDC	10	.79 x .39 x .37	**2.75**	**2.49**	**2.25**
2077386	Fujitsu	AL-D9W-K	—	10R	DPDT	9VDC	45	.5A/1A	125VAC/30VDC	10	.55 x .35 x .20	**2.75**	**2.49**	**2.25**
174378	Rayex	LM2-12Dℛ	RKA5DZ12	1S	DPDT	12VDC	270	5A	250VAC/30VDC	8	1.2 x .48 x 1.0	**2.95**	**2.75**	**2.49**
187258	Omron	G5V-2-DC12ℛ	—	5T	DPDT	12VDC	288	.5A/2A	125VAC/30VDC	8	.81 x .40 x .45	**3.25**	**2.95**	**2.69**
842873	Panasonic	DS2E-ML2-DC12Vℛ	—	13T	DPDT	12VDC	400	2A	250VAC/220VDC	10	.79 x .39 x .39	**5.95**	**5.49**	**4.95**
2133499	SDS/Panasonic	S3-12V	—	18Y	DPDT	12VDC	720	4A	250VAC/30VDC	12	1.11 x .48 x .41	**6.95**	**6.25**	**5.59**
2078274	Fujitsu	FBR46D024	—	10O	DPDT	24VDC	2880	.5A/1A	120VAC/30VDC	8	.63 x .39 x .33	**1.49**	**1.29**	**1.25**
2139049	Omron	G5V-2-HI-DC24ℛ	—	5U	DPDT	24VDC	2880	.83A	125VAC/125VDC	8	.81 x .40 x .45	**2.49**	**2.25**	**1.95**

*Manufacturer may vary **Automative, dual relay, separate type # SIP package † SMD packag § Non latching †† Latching

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

Solid State, Enclosed & Reed Relays

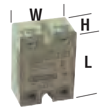
DC/AC and DC/DC Solid State Relays

★Web Code: DBA

164996 (Fig. 1)

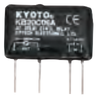
153059 (Fig. 2)

162342 (Fig. 3)



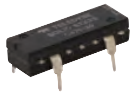
187004 (Fig. 4)

192815 (Fig. 5)


176698 (Fig. 6)

127790 (Fig. 7)

176736 (Fig. 8)


2144737 (Fig. 9)

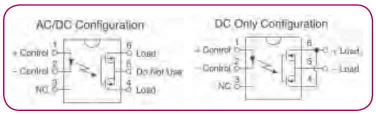
Part No.	Mfr.	Mfr. Part No.	Control Voltage	Type	Contact Form	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Dimentions (L" x W" x H")	Pricing 1	10	50
Solid State Relays DC/AC Type															
164988	Sharp	S101S02	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	**$3.95**	**$3.39**	**$2.95**
164996	Sharp	S202TA1	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	**4.95**	**4.49**	**3.95**
153059	Rayex	RSR2ND-A24003ℛ	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder lead	UL	1.7 x 0.4 x 2.0	**9.95**	**8.95**	**7.95**
162342	Excel	ESR51024-010ℛ	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	**18.95**	**16.95**	**15.49**
186992	Omron	G3NA-210B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	10A	4	4	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	**19.95**	**18.95**	**17.95**
187004	Omron	G3NA-220B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	20A	4	4	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	**22.95**	**21.95**	**20.95**
162369	Excel	ESR51024-025ℛ	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	**21.95**	**20.95**	**19.95**
162406	Excel	ESR51024-040ℛ	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	**22.95**	**21.95**	**20.95**
192815	COSMO	KSD240AC8	4-32VDC	DC/AC	SPST	250VAC	40A	4	5	Screw terminal	—	1.8 x 0.6 x 2.3	**16.95**	**15.95**	**14.95**
175214	Kyoto	KB20C02A	3-32VDC	DC/AC	SPST	280VAC	2A	4	6	Solder lead	CE	1.4 x 0.3 x 1.5	**7.95**	**7.29**	**6.59**
127790	Crydom	D2W202F	13-32VDC	DC/AC	SPST	280VAC	2A	4	7	Solder lead	UL/CSA	1.7 x 0.4 x 1.3	**12.95**	**11.95**	**10.95**
176698	Kyoto	KB20C06A	3-32VDC	DC/AC	SPST	280VAC	6A	4	6	Solder lead	CE	1.4 x 0.3 x 0.9	**10.95**	**9.95**	**8.95**
176719	Kyoto	KD20C40AX	4-32VDC	DC/AC	SPST	280VAC	40A	4	8	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	**19.95**	**17.95**	**15.95**
176736	Kyoto	KD20C75AXℛ	3-32VDC	DC/AC	SPST	280VAC	75A	4	8	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	**29.95**	**28.49**	**26.95**
Solid State Relays DC/AC Type															
172591	Kyoto	KF0602D	3-32VDC	DC/DC	SPST	60VDC	2A	4	6	Solder lead	CE	1.4 x 0.3 x 0.9	**$9.95**	**$8.95**	**$7.95**
175222	Kyoto	KF0604D	3-32VDC	DC/DC	SPST	60VDC	4A	4	6	Solder lead	CE	1.5 x 0.3 x 0.9	**9.95**	**8.95**	**7.95**
2144737	Teledyne	C47F-20	3.8-32VDC	DC/DC	SPST	90VDC	1A	4	9	DIP-14	—	.75 x .25 x .17	**9.95**	**8.95**	**7.95**
176648	Kyoto	KG1005Dℛ	3-32VDC	DC/DC	SPST	120VDC	5A	4	8	Screw terminal	CE	2.3 x 1.7 x 0.9	**19.95**	**18.95**	**17.95**
176655	Kyoto	KG1010D	3-32VDC	DC/DC	SPST	120VDC	10A	4	8	Screw terminal	CE	2.3 x 1.7 x 0.9	**24.95**	**22.49**	**19.95**

CLARE An IXYS Company

★Web Code: WDX

OptoMOS® Solid State Relays

A



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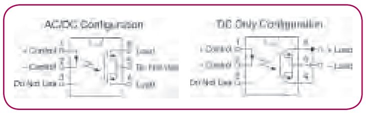
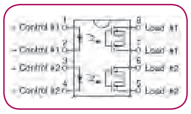




C

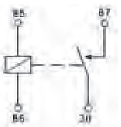
Part No.	Mfr. Part No.	Package	Description	Schem.	Load Voltage (V)	Current Handling (mA)	On-Resistance (Ω)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (µA)	Switching Speed (on/off) (ms)	Pricing 1	10	50
1583041	LCA710ℛ	DIP-6	Single pole, 1-Form-A	A	60	1000	0.5	3750	10	1	2.5/0.25	**$4.95**	**$4.49**	**$3.95**
1582997	LCA110ℛ	DIP-6	Single pole, 1-Form-A	B	350	120	35	3750	2	1	3/3	**1.95**	**1.75**	**1.49**
1582903	LAA110ℛ	DIP-8	Dual single pole, 1-Form-A	C	350	120	35	3750	5	1	3/3	**3.95**	**3.75**	**3.49**

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

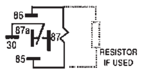
VF Series

★Web Code: PBB

- Dielectric strength: 500VDC (between contact & coil)
- Operating temp.: -35°C to +85°C
- Contact current: 40A
- Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1



Schematic 2

171433 (Fig. 1)

171442 (Fig. 2)

171460 (Fig. 3)

Part No.	Mfr.	Product No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Coil Voltage	Contact Schematic	Pins	Pricing 1	10	50
1810179	Rayex	LD1A-12BPℛ*	—	2	SPST-NO	80	12VDC	1	4	**$1.99**	**$1.79**	**$1.59**
171460	Rayex	LD1A-12Fℛ	—	3	SPST-NO	80	12VDC	1	4	**2.95**	**2.69**	**2.39**
171442	Rayex	961A-1A12Dℛ†	—	2	SPST-NO	80	12VDC	1	4	**2.49**	**2.19**	**1.89**
171522	Rayex	LD5Fℛ	VF4-45D11	3	SPDT	14	5VDC	2	5	**1.69**	**1.55**	**1.39**
148583	Rayex	LD12Fℛ	VF4-85F11	1	SPDT	78	12VDC	2	5	**2.95**	**2.59**	**2.29**
2094135	Sanyou	SARL-112Dℛ	VF4A-15F11	2	SPDT	80	12VDC	2	5	**3.95**	**3.59**	**3.25**
2094151	Sanyou	SARL-112DFℛ	VF45A-45F11	1	SPDT	80	12VDC	2	5	**3.79**	**3.49**	**3.19**
171433	ValuePro	961A-1C-12DMℛ	VF4-81F11	1	SPDT	90	12VDC	2	5	**3.25**	**2.95**	**2.69**
2094186	Sanyou	SARL-125Dℛ	VF4A-15F11	2	SPDT	320	24VDC	2	5	**3.75**	**3.39**	**3.09**
2094194	Sanyou	SARL-124DFℛ	VF4A-45H11	1	SPDT	320	24VDC	2	5	**3.49**	**3.09**	**2.75**

* PCB terminals † Comes with a removable clip

Reed Type Relays

- Contact form: SPST-NO
- Terminal type: PCB solder
- Contact voltage:
  111448: 120VAC/60VDC;
  2099358: 150VAC/VDC
- Coil voltage @ contact rating:
  111448: 12V @ 11.4mA; **2099358**: 12VDC @ 0.1A
- Dimensions: **111448**: 1.0"L x 0.37"W x 0.38"H;
  2099358: 0.82"L x 0.25"W x 0.27"H

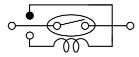
111448

Part No.	Product. No.	Pins	1	10	50
111448	BR-1050	4	**$1.95**	**$1.75**	**$1.49**
2099358	2900-0043ℛ	5	**1.95**	**1.75**	**1.49**

Relay Socket with Coil Diode

VF Series

- 14 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire (7.5" length)
- Contact voltage/current: 12V/20A
- Diode coil suppression
- Use with P/N 148583 (left)



Part No.	Product No.	1	10	50
170624	RSD03	**$2.49**	**$2.25**	**$2.09**

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Power Relays, Relay Sockets, Thermistors & Photocells

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For complete specifications
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General Purpose Power Relays

★ Web Code: GPR

454571

Part No.	Mfr.	Product No.	Contact Form	Rating	Contact Rating	Coil Resis.	Contact Type	1	10	50
2139057	P&B	T92P7D22-24ℛ	DPDT-NO	24VDC @ 70mA	30A, 277VAC	350Ω	.250" quick connect	$7.95	$6.95	$5.95
454571	Omron	G7L-1A-TUB-CB-DC24	SPST-NO	24VDC @ 79mA	25A, 220VAC	303Ω	.250" quick connect	6.95	6.29	5.69
611928	P&B	T9AP1D52-48-03	SPST-NO	48VDC @ 21mA	30A, 240VAC	2304Ω	Quick connect: .187" for coil/.250" for contacts	4.49	3.95	3.69
137358	ValuePro	953-1C12DM-Rℛ	SPDT	12VDC @ 77mA	20A, 240VAC/28VDC	155Ω	Quick connect: .110" for coil/.250" for contacts	2.95	2.75	2.49
552462	P&B	PRD-7AG0-120	DPST-NO	120VAC @ 85mA	30A, 240VAC	290Ω	Screw: #8-32 for main; #6-32 for contacts	33.95	31.95	29.95

611928

137358

552462

General Purpose Blade and Octal Relays

- UL/CSA approved
- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications

★ Web Code: ACF

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Part No.	Mfr.	Product No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Coil Resis. (Ω)	Coil Current (mA)	Mating Socket* Standard	Mating Socket* DIN Rail	Pricing 1	Pricing 10	Pricing 50
2119996	Omron	G2R-1-E-ASIℛ†	2	SPDT	24VDC	16A @ 250VAC; 16A @ 30VDC	1100	21.8	—	—	$2.95	$2.49	$1.95
2093079	Omron	LY2F-DC12ℛ	1	DPDT	12VDC	10A @ 24VDC; 10A @ 110VAC	160	75	PT08	175531	5.95	5.39	4.25
139766	Rayex	MK2P-I	3	DPDT	12VDC	10A @ 28VDC; 10A @ 240VAC	120	10	141145	141145	7.95	7.29	5.95
282378	P&B	KRPA-11DG-12ℛ	4	DPDT[1]	12VDC	10A @ 240VAC	120	100	282132	—	17.95	16.95	15.95
172719	ValuePro	LB2-12DS-Rℛ	1	DPDT	12VDC	12A @ 30VDC; 12A @ 240VAC	160	75	175531	282191	6.49	5.95	5.49
282255	P&B	K10P-11D15-12ℛ	5	DPDT	12VDC	15A @ 30VDC; 15A @ 120VAC	160	75	282191	282191	9.95	8.95	7.95
282386	P&B	KRPA-11DG-24ℛ	4	DPDT[1]	24VDC	10A @ 240VAC	472	51	282132	—	16.95	15.49	13.95
175565	ValuePro	LB2-24DS-Rℛ	1	DPDT	24VDC	12A @ 30VDC; 12A @ 240VAC	650	37	175531	282191	6.49	5.95	5.49
282263	P&B	K10P-11D15-24ℛ	5	DPDT	24VDC	15A @ 30VDC; 15A @ 120VAC	650	37	282191	282191	7.95	7.49	6.95
175573	ValuePro	LB2-110ASRℛ	1	DPDT[1]	110VAC	12A @ 30VDC; 12A @ 240VAC	3,900	28	175531	282191	6.95	6.29	5.25
139740	Beta	BTA6-2C-J-CW-120VACℛ	3	DPDT	120VAC	10A @ 28VDC; 10A @ 240VAC	1,700	122	141145	141145	7.95	6.95	5.75
175602	ValuePro	LB4H-24DS-Rℛ	1	4PDT	24VDC	5A @ 30VDC; 5A @ 240VAC	650	37	175557	175557	5.49	4.95	4.49
175611	ValuePro	LB4H-110AS-Rℛ	1	4PDT[1]	110VAC	5A @ 30VDC; 5A @ 240VAC	3,900	28	175557	175557	5.95	5.49	4.95

* For sockets see below † PCB [1] = Silver-cadmium oxide, no lamp

Blade and Octal Relay Sockets

141145/175531/282191/282132: 8-pin DPDT
175557/282183/496958: 14-pin 4PDT

★ Web Code: TEM

141145

282191

282132

282183

496958

Part No.	Mfr.	Product No.	Relay Series	Type	1	10	50
141145	Beta	PF-083A	BTA1	Combo†	$3.95	$3.69	$2.95
175531	ValuePro	27E895ℛ	K10	Combo†	4.39	3.95	3.69
282191	P&B	27E895ℛ	K10	DIN Rail	6.95	6.39	5.75
282132	P&B	27E122ℛ	KRP/KRPA	Standard	7.49	6.59	5.95
175557	ValuePro	27E894ℛ	KHUA	DIN Rail	3.75	3.49	3.19
282183	P&B	27E894ℛ	KHA/KHS/PT	DIN Rail	7.95	7.25	6.59
496958	P&B	27E166ℛ	KHA/KHUA	Standard	9.95	8.95	7.95

† Combo: DIN rail or screw terminal

JAMECO ValuePro

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

★ Web Code: RBG

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing 1	Pricing 10	Pricing 100
207521	NTC-101ℛ	100	3100	-3.5	$.55	$.45	$.39
207511	NTC-201	200	3100	-3.5	.55	.45	.39
207483	NTC-102ℛ	1k	3800	-4.3	.55	.45	.39
207466	NTC-302	3k	3900	-4.4	.55	.45	.39
207441	NTC-502ℛ	5k	3900	-4.4	.55	.45	.39
207037	NTC-103ℛ	10k	4100	-4.6	.55	.45	.39
207002	NTC-503ℛ	50k	4200	-4.7	.55	.45	.39
206991	NTC-104ℛ	100k	4400	-4.9	.55	.45	.39
206982	NTC-1204ℛ	200k	4500	-5.1	.55	.45	.39

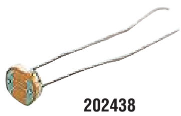
JAMECO ValuePro

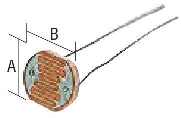
Cadmium Sulfide (CdS) Photocells

★ Web Code: CBG

- Generate variable signal based on detection of light levels
- Operating temperature: -30°C to +70°C
- Soldering: 230°C for 3 seconds

Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers


202438



120299

Part No.	Cross Ref. No.	Rating Vp	Rating mW	Resistance (Ω) Dark	Resistance (Ω) Light	Size (inches) A	Size (inches) B	Lead Spacing (inches)	Lead Length (inches)	Pricing 1	Pricing 10	Pricing 100	Pricing 500
202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	$1.49	$1.35	$1.19	$.95
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.49	1.35	1.19	.95
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Arduino Compatible Sensors

liquidware

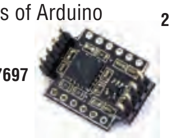
If you want easy-to-use sensors that are fully reliable and Arduino compatible, then look no further. These sensors are ready for plug and play installation for mediate use.

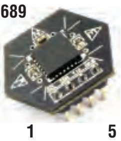
2127662

2127662: • Supply voltage: -0.3V to +7.0V
- Can be mounted directly into the analog pins of Arduino

2127697: • ±1.5g, 2g, 4g, 6g selectable
- Built-in 5V tolerance protection

2127689: • 0-360° heading output
- +5V tolerant I/O, 4-pin male header


2127697


2127689

Part No.	Description	1	5
2127662	Ambient light sensor	**$6.95**	**$6.25**
2127697	3-axis accelerometer	**24.95**	**22.49**
2127689	Compass module	**49.95**	**47.95**

Reed-Based Magnetic Proximity Sensors

CHERRY

- Hermetically sealed contacts
- Zero power consumption
- Contact resistance: 0.2Ω max.
- Suitable for AC/DC circuits
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C
- Max. switching voltage: 175VDC @ 0.5A
- 10-watt
- SPST NO
- Typical op. time: 0.6ms

*Web Code: CCC

482417

513359

Part No.	Mfr. Part No.	Description	1	10	25
482417	AS201901	Magnetic actuator	**$3.39**	**$3.19**	**$2.95**
513359	MP201901	Magnetic sensor	**3.49**	**3.19**	**2.95**

Centrifugal Force Switch

Sorenson Lighted Controls

- Contact rating: 0.4VA (max.) @ 20VAC or 20VDC
- Normally open (NO)
- Triggers @ 1.5g (min.) to 5g
- Dielectric strength: 500VDC min. for 1 min.
- Insulation resistance: 1000MΩ (min.)
- Life: 100,000 cycles (typical)
- Applications: rotational devices, tire centrifugal force detection, direction or axis motion, motion control

Part No.	Product No.	Description	1	10	100
2126563	RV-RUG-00-000-BB	Centrifugal force switch	**$1.49**	**$1.35**	**$1.19**

Digital/Analog Distance Sensors

Pololu Robotics & Electronics

Detects objects from far away or objects nearby. These sensors are small in size and can be placed just about anywhere on your project. A great choice for non-contact object detection.

2136462: 3-pin header connection (included)

2136446: Connects with 3-pin JST connector (not included)

2136462

2136446

2143881

Part No.	Description	Digital/Analog	Detection Range	Res. Time	1	5
2136462	1134ℛ	Digital	0.8" to 4"	2.56 ms	**$6.95**	**$6.29**
2136446	1136ℛ	Analog	1.5" to 60"	38.0 ms	**19.95**	**18.95**

Part No.	Mfr. P/N	Description	1	5
2143881	117ℛ	3-pin female JST cable for distance sensors	**$1.09**	**$.95**

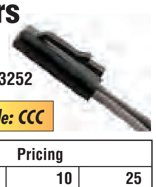
Digital Hall-Effect Magnetic Proximity Sensors

CHERRY

Flange Mount • Applications: door position sensing, flow sensing, pedal switch

- Capable of millions of operations
- Reverse battery protection to -24VDC
- Output saturation voltage max.: 400mV
- Meets IEC529 IPX5 for water protection
- Output wire: 3-wire sink
- Operating voltage range: 4.5-24VDC

*Web Code: CCC


513252

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Function	Pricing		
							1	10	25
513252	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	**$6.95**	**$6.49**	**$5.95**
513261	MP102103	12	25	300 (north)	195 (north)	Switch	**6.95**	**6.49**	**5.95**

Hall-Effect Magnetic Proximity Sensor

CHERRY

- With Snap-Fit Mount
- Output: 3-wire sink
- Solid state reliability
- Operating voltage range: 4.75-24VDC
- Immune to dust, dirt, & moisture
- No mechanical contacts to wear out
- Digital output compatible with all logic families
- South pole sensitive or bi-polar latch
- Operating temp. range: -40°C to 85°C
- Output saturation voltage max.: 400mV
- Reverse polarity protection to -24V

*Web Code: CCC

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	Pricing		
							1	5	25
513244	MP101301	4	25	300	60	24AWG x 1m	**$5.95**	**$5.49**	**$4.95**

Magnetic Proximity Sensor Cylindrical Plastic Housing

CHERRY

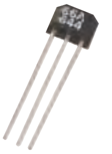
- Omnipolar, magnetically activated switch
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Resistant to dirt and moisture
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C
- Can be approached by any magnet from any angle with either pole

*Web Code: CCC

Part No.	Mfr. Part No.	Contact Form	Power (W)	Switching Volt. Max. (VDC)	Switching Curr. Max.(A)	Op. Time Typical (ms)	Pricing		
							1	10	100
513308	MP201701	SPST NO	10	175	0.5	0.5	**$2.95**	**$2.69**	**$2.39**

Solid State Digital Position Sensor

- High output current capability -50mA absolute max.
- Oper. temp. range: -40°C to 150°C
- Supply volt.: 3.8VDC to 30VDC
- 3-pin SIP package
- Output type: sink
- Output volt./curr.: 40mV/20mA max.
- Supply current: 10mA max.



Part No.	Mfr. Part No.	Type	1	10	100
1915915	SS466Aℛ	Latching	**$1.19**	**$.99**	**$.89**

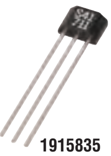
Hall Effect Sensors

OPTEK

- Supply voltage range: 4.5V-24V
- Supply current: 9mA max.
- Operating temperature up to 150°C

*Web Code: HES

1871879


1915835

Part No.	Product No.	Bop/Brp* @ 25°C	1	10
1871879	OH180U	180/140 gauss	**$2.75**	**$2.49**
1915835	RS41	40/-40 gauss	**1.19**	**.99**

*Bop = Magnetic Operating Point; Brp = Magnetic Release Point

Gear Tooth Speed Sensor

CHERRY

Commercial Grade Hall-Effect

- Operating voltage range: 4.5-24VDC
- Output type: sink
- Output current: 25mA max.
- Supply current: 6mA max.
- Barrel length: 1.0"
- Output voltage: 400mV max.
- Thread: 15/32" – 32
- Wire: 20 AWG x 1m
- Reverse battery protection from 24VDC
- Operating temperature range: -40°C to 125°C

Part No.	Mfr. Part No.	1	5	25
512401	GS100701	**$29.95**	**$26.95**	**$23.95**

PARALLAX GAS SENSORS

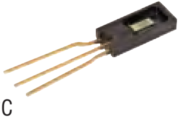
See page 174 for details.

Relative Humidity Sensor

Honeywell

*Web Code: WEG

- Linear volt. output vs %RH
- Voltage & current: 4 to 5.8VDC @ 500μA max.
- Accuracy: ±3.5% RH
- Operating temp.: -40°C to 85°C
- 0.10" lead pitch SIP w/ calibration & data printout

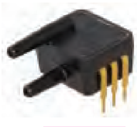


Part No.	Mfr. Part No.	1	5	25
1860248	HIH-4000-003ℛ	**$26.95**	**$24.95**	**$22.95**

Pressure Sensor

Honeywell

- Differential pressure 0 to 5 psid pressure range
- Max. load pressure: 2X rated pressure
- 1/8" dia. tubing applicable
- Pressure media: non-corrosive gas, non-ionic fluids
- Size: 0.55"L x 0.47"W x 0.28"H



NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5	25
2151161	SCC05DD4	**$14.95**	**$13.49**	**$11.95**

For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Inductive Proximity Switch Sensors

★Web Code: MAX

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Normally open output
- Current consumption: 10mA max.
- Sensing distance: ±10% (tin)
- Pre-tinned pigtail
- Nominal operating voltage: 12VDC
- Switching frequency: 1.5kHz
- Sensing target: inductive type – magnetic metal
- Fast response
- Short-circuit protected
- 6' long cable
- LED status indicator

421147

167020

248858

155547

421163

421171

421180

Part No.	Mfr. Part No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Dimensions (L x Dia.)	Mounting Hole (ins.)	Pricing 1	5	25
421147	CS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	**$12.95**	**$11.95**	**$10.95**
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	**19.95**	**17.95**	**15.95**
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	**19.95**	**17.95**	**15.95**
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	**12.95**	**11.95**	**10.95**
421163	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	**14.95**	**13.95**	**12.95**
421171	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	**14.95**	**13.95**	**12.95**
421180	CS30-10N-1	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	**15.95**	**14.49**	**12.95**

Ultrasonic Sensor Sets

Motion or Distance Sensing, Transmitter/Receiver Set

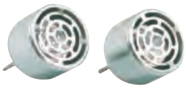
★Web Code: CAU

- Frequency: 40kHz ±1.0kHz
- Aluminum case

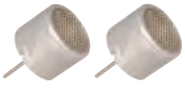
136654: • Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Receiver: bandwidth 3.5kHz @ -71dB,min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

139492: • Capacitance: 2000pF ±20%
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

2120268:
- Capacitance: 1250pF ±20%
- Bandwidth: 4.0kHz @ -73dB
- Transmitter sensitivity: 41kHz @ 67dB
- Receiver sensitivity: 40kHz @ 67dB (R=3.9kΩ)


136654

139492


2120268

Part No.	Product No.	Case Size	Lead Length/Spacing	1	10	100
136654	40TR16Fℛ	0.47"H x 0.62"Dia.	0.39"	**$8.49**	**$7.59**	**$6.89**
139492	40TR12Bℛ	0.30"H x 0.43"Dia.	0.28"	**7.95**	**7.19**	**6.49**
2120268	EFR40K2	0.47"H x 0.62"Dia.	0.35"	**6.95**	**5.95**	**4.95**

Ceramic Earphone

These earphones are traditionally used in crystal radio experiments because they provide greater sound output than crystal earpieces. Use them in your applications requiring high output with less amplification.

- Impedance: 20MΩ min.
- 3.5mm plug
- Cord length: 3'
- Color: tan

★Web Code: EHS

Part No.	Mfr. Part No.	1	10
2098427	25CR035-ROXℛ	**$2.49**	**$2.29**

Bidirectional Flex Sensor

As the Bi Flex Bend Sensor is bent in either direction, the resistance gradually decreases. It is pressure sensitive and may also be used as a force or pressure sensor.

- Nominal resistance: 20kΩ – 50kΩ
- Dimensions: 4.5"L x .375"W x .038"T
- Temp. range: -45˚F to 125˚F

Part No.	Mfr. Part No.	1	5	25
2124867	FLX-01-Mℛ	**$9.95**	**$8.95**	**$7.95**

Liquid Level Sensor

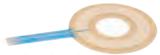
★Web Code: LLS

Combine the control box and sensor to activate a water valve. When the sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

Part No.	Description	1	5	25
176250	24VDC	**$9.95**	**$8.95**	**$7.95**

Membrane Sensors/ Potentiometers

2082636


2082716

2082724

★Web Code: MEM

Membrane potentiometers are resistive elements or CARBON position feedback sensors with a sealed encasement and a non-conductive simple wiper assembly that connects the top and bottom circuit. By pressing the wiper down on the top circuit to close the connection with the bottom circuit, the linear sensor produces the desired electrical output. The membrane potentiometer can also be actuated through a manual control.

- Thinnest linear stroke sensor: <0.5mmH
- Sealed at IP65
- Simple application
- Ideal for low form factor applications
- Best priced linear stroke sensor on the market

Part No.	Mfr. Part No.	Description	1	10
2082636	SP7182ℛ	50mm	**$14.95**	**$13.49**
2082716	SP7186ℛ	Rotary	**16.95**	**15.49**
2082724	WP7688ℛ	Wiper	**3.49**	**3.19**

Force-Sensing Resistor

- Polymer thick film (PTF) optimized for human touch control of electronic devices
- >1MΩ, no force, 100kΩ to >100Ω under pressure
- 0.72" dia. circular pad, 0.5" Dia. sense area
- Can sense applied force from 1 oz. to 22 lbs.
- 1.3" flexible male leads, 0.1" spacing

2128260

Part No.	Mfr. Part No.	Size	1	10
2128260	1696ℛ	0.72"Dia./0.5"Dia.	**$7.95**	**$7.25**
2136471	1645ℛ	1.72"Lx1.5"W	**8.95**	**8.49**

Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Nominal Res.	Length	1	10
150551	10kΩℛ	4.5	**$12.95**	**$11.49**

Magnetic Transducers (Speakers)

- Applied voltage: 1/2 duty, square wave

★Web Code: JMT

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Volt. Range	Frequency (Hz)	Impedance (Ω)	Sound (dB)	Dimensions (H x Dia.)	Pricing 1	10	100
207918	ValuePro	DB105GFPNℛ	1	1.5/30	1 – 2	2048	16	75	.22" x .47"	**$.75**	**$.65**	**$.59**
138740	ValuePro	DBX05-PNℛ	2	5/40	3 – 8	2400	47	85	.35" x .46"	**1.49**	**1.25**	**1.09**
673871	ValuePro	PRT-1205	2	5/40	3 – 8	2400	470	90	.35" x .46"	**.95**	**.85**	**.75**
673774	ValuePro	SBT-1612	3	12/40	6 – 18	2048	200	85	.53" x .62"	**.99**	**.89**	**.79**
2129748	Kobitone	256-MB2161	2	12/40	6 – 18	2048	115	85	.55" x .63"	**.75**	**.69**	**.65**

Fig. 1

Fig. 2

Fig. 3

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Piezo Buzzers (Annunciators)

★Web Code: JPB

Part No.	Manufacturer	Product No.	Fig.	Tone	Oper. Volt. (V/mA)	Volt. Range	Sound (dB)	Freq. (Hz)	Dimensions (H x Dia.)	Pricing 1	10	100
2081246	Shogyo	SEP-2202A5	1	Single	3/11	1.5 – 6	85	3000	16mm x 24mm	$1.95	$1.75	$1.49
335557	ValuePro	MSR320ℛ	2	Single	3–20/3–16	3 – 20	90	3400	.39" x .91"	2.49	2.25	1.95
2129721	MG Elec	SBT-16065ℛ	1	Single	12/20	4 – 7	2200	85	13.9mm x 15.4mm	2.25	1.95	1.75
1956696	Velleman	SV4/5-Sℛ	3	Single	5/25	3 – 6	87	3200	.30" x .47"	2.95	2.69	2.45
336989	ValuePro	SC616N	4	Single	6–16/6–22	6 – 16	95	2900	1.28" x 1.69"	1.95	1.75	1.55
1956741	Velleman	SVM06ℛ	5	Single	6/20	3 – 7	75	300-500	.91"L x .63"W x .59"H	2.25	1.95	1.75
196357	ValuePro	AL-175	6	Single	12/5.8	3 – 16	86	4000	.30" x .54"	1.95	1.75	1.49
138713	ValuePro	32S4120-PNℛ	6	Single	12/7	3 – 16	80	4000	.30" x .54"	2.25	1.95	1.75
673900	ValuePro	SEP-1172	7	—†	12/7	3 – 28	81	3300	16mm x 31.4mm	.75	.65	.59
2099690	Kobitone	256-PB313	8	Continuous†	12/7	3 – 28	82	3600	.413" x 1.18"	.99	.89	.75
2120452	ValuePro	DB-E238ℛ	1	Single	12/8	3 – 20	85	2900	16mm x 23.8mm	1.95	1.75	1.49
1956750	Velleman	SVM12ℛ	5	Single	12/15	7 – 17	75	300-500	.91"L x .63"W x .59"H	1.95	1.75	1.65
335927	ValuePro	PK-20A38P	1	Single*	12/15	3 – 24	95	3800	18mm x 23mm	2.49	2.25	1.95
32602	ValuePro	11S3240-Rℛ	9	Single	24/15	1 – 27	95	2900	1.4" x 1.7"	3.95	3.49	2.95
76021	ValuePro	7S3240-LA	9	Single	24/20	1.5 – 28	95	3200	1.0" x 1.1"	3.95	3.49	2.95
249498	ValuePro	1103120-LF-TAℛ	9	Dual#	12/25	4 – 16	95	2900	34.5mm x 43.5mm	2.75	2.49	2.25
123538	ValuePro	11D3240ℛ	9	Dual#	24/20	4 – 28	80	2900	1.4" x 1.7"	3.95	3.49	2.95
335855	ValuePro	PK-12N40P	1	Pulse	12/10	3 – 15	83	4100	8mm x 14mm	2.95	2.59	2.29
2117430	ValuePro	7P3120LF-LAℛ	10	Pulse	12/10	3 – 15	90	3200	.98" x 1.10"	2.95	2.59	2.25

† Requires driver circuit *Press fit: panel hole - 27mm (1.06") #Continuous or fast pulse

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Electromech

Piezo Transducers (Speakers)

★Web Code: JPT

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing 1	10	100
1956784	Velleman	TV4ℛ	1	1.5Vp-p	1.5mA	4kHz	75	0.2mm x 50mm	$3.25	$2.95	$2.75
1956776	Velleman	TV1ℛ	2	1.5Vp-p	1.5mA	4kHz	85	6mm x 30mm	2.25	1.95	1.75
2098540	Kobitone	PB102-ROXℛ	3	3Vp-p	3mA	2kHz	70	3.2mm x 10mm	1.25	1.09	.99
2098523	Kobitone	PB140-ROXℛ	4	5Vp-p	5mA	4kHz	80	6.8mm x 13.8mm	1.59	1.39	1.25
2098558	Kobitone	PB160-ROXℛ	5	9Vp-p	7mA	4kHz	80	4mm x 16.5mm	.99	.89	.79
2098531	Kobitone	PB220-ROXℛ	6	10Vp-p	5mA	3.2kHz	70	26.5mm x 22mm	.75	.69	.59
2099702	Kobitone	256-PB315*	7	10Vp-p	7mA	4kHz	82	7.6mm x 17mm	.75	.69	.65
2098566	Kobitone	AZ-3025E-W-LFℛ	2	10Vp-p	9mA	2.5kHz	86	9.5mm x 30mm	1.29	1.15	.99
336276	ValuePro	PT-1250W	3	12Vp-p	2mA	4kHz	75	4.3mm x 13.5mm	1.25	.99	.75
336314	ValuePro	KWT2340F12L-2ERℛ	8	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.59	1.49	1.35
2077280	Panasonic	24C411	4	15Vp-p	2mA	4kHz	85	6mm x 24mm	.99	.89	.75

*Requires external drive

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

JAMECO ValuePro

Mechanical/Electromechanical Buzzers

★Web Code: MEB

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100
140695	ValuePro	63S1120-LA	2	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	$2.25	$1.95	$1.75
335353	ValuePro	ASI401	1	12/30	8 – 15	2400	90	.5"L x .5"W x .4"H	.59	.55	.49
335388	ValuePro	AST500	1	1.5	1.2 – 3	2400	85	.5"L x .5"W x .4"H	.49	.45	.39
76065	ValuePro	TDB05-PNℛ	3	5/30	4 – 7	2300	85	.35"H x .46"Dia.	3.25	2.95	2.75
24872	ValuePro	63S109LAℛ	2	9/30	6 – 12	400	85	1.3"L x 0.7"W x 0.6"H	1.59	1.49	1.35

Fig. 1

Fig. 2

Fig. 3

JAMECO ValuePro

Piezo Sirens

★Web Code: POS

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100
207993	ValuePro	SL15R3120LAℛ	1	12/250	6 – 16	3500	105	2.3"L X 1.8"W X 1.6"H	$3.95	$3.59	$3.25
207889	ValuePro	18R3120ℛ	2	12/120	9 – 15	1500/3100	105	3.4"L x 2.2"W x 1.3"H	4.95	4.49	3.95
148152	ValuePro	YC-321-1	3	12/300	2 – 12	3000	108	2.5"L x 2.8"Dia	5.95	5.49	4.95
2123733	Velleman	SV/PS5Rℛ	4	12/1300	6 – 12	900/4000	125	3.9"L x 4.3"Dia	10.95	10.49	9.95

Fig. 1

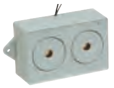


Fig. 2

Fig. 3

Fig. 4

30mm PCB Mountable Speakers

- Ideal for PC board mounting
- Power (nominal/max.): 0.15W/0.2W
- Mylar diaphragm
- Solder leads

135722

Part No.	Size (H x Dia.)	Impedance	Pin Spacing	Freq. Range	SPL (dB)	1	10	100
2095234	0.57" x 1.24	8Ω	0.69"	700-4kHz	82 ..	$1.25	$1.09	$.99
135722	0.50" x 1.17"	8Ω	0.59"	700-5kHz	82	1.49	1.25	.99
2099817	0.47" x 1.16"	100Ω	0.58"	1.1kHz ±20%	95	1.25	.99	.75

Rare Earth Magnet Speaker

- Input watts: 3W nominal, 4W maximum
- Impedance: 8Ω (±15%) @ 850Hz
- Output SPL (dB): 85dB (±3dB)
- Frequency range: 100Hz to 20kHz
- Distortion: 5% max. @ 1000Hz
- Weight: 0.96 oz.

Part No.	Product No.	Size	1	10	100
2126061	40RE08-1	1.6"Dia. x 1.7"D	$3.49	$3.09	$2.75

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Speakers

JAMECO ValuePro

Flat Element, Square Speakers

★Web Code: XAE

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part No.	Product No.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
34025	GSP02-Rℛ	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	**$2.75**	**$2.49**	**$2.25**
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	**1.75**	**1.59**	**1.39**
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	**1.49**	**1.25**	**.99**

34025 Side

34025 Front

JAMECO ValuePro

Alnico Round, Square and Rectangular Speakers

★Web Code: EAL

- For computer case use
- Paper diaphragm
- Large magnet
- Wide frequency response
- Pre-tinned solder lugs

Part No.	Product No.	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
2099614	31204	1	4.05 x 1.6	1.0	2.0	4	95	300 – 1200	0.9 x 0.6	**$1.95**	**$1.75**	**$1.49**
2146388	TR057A-Rℛ	2	2.25 x 0.77	0.25	0.5	8	84	300 – 14000	0.5 x 0.4	**2.95**	**2.59**	**2.35**
88411	A0200ℛ	2	2.0 x 0.8	0.2	0.4	8	87	430 – 4500	0.5 x 0.4	**2.49**	**2.29**	**1.95**
111588	B0102ℛ	1	1.7 x 0.6	0.1	0.3	8	83	500 – 5500	0.5 x 0.4	**2.75**	**2.49**	**2.25**
2115442	K7048202	3	1.6Lx2.8Wx0.9H	3.0	3.0	8	82	310 – 12000	0.87 x 0.29	**2.95**	**2.59**	**2.25**
135812	A1527C02ℛ	3	1.6Lx2.8Wx1.2H	2.0	5.0	8	82	450 – 20000	0.5 x 0.5	**4.49**	**3.95**	**3.59**
2077301	25S9024	2	2.25 x 0.77	0.2	0.2	8	90	450 – 4000	0.9 x 0.8	**1.49**	**1.25**	**.99**
1954834	NMB-0030†	2	1.8 x 0.5	0.5	1.0	8	87	550 – 6000	0.9 x 0.2	**1.95**	**1.75**	**1.59**
1950972	I-826-219*	4	8.2LX2.2Wx2.0H	1.0	13.0	8	95	30 – 20000	1.5 x 2.8	**3.95**	**3.59**	**3.25**
2081220	TP-252††	2	2.6 x 0.875	0.5	1.0	16	89	400 – 4000	0.9 x 0.5	**1.49**	**1.25**	**.99**
1954826	R11-49††	1	2.9 x 1.2	0.5	1.0	16	89	300 – 7500	0.9 x 0.4	**1.49**	**1.25**	**.99**
1954842	609-0033††	3	3.6Lx2.0Wx1.5H	1.0	3.0	16	89	200 – 3000	0.9 x 0.7	**1.95**	**1.75**	**1.59**
1954851	R-A162††	1	4.0 x 1.5	1.0	2.0	16	89	200 – 3500	0.9 x 0.6	**1.95**	**1.75**	**1.49**
307820	UF1082	5	1.73 x 0.275	0.5	1.0	40	80	200 – 6000	0.8 x 0.1	**1.95**	**1.75**	**1.59**

*Indoor/outdoor mylar diaphragm (closed back) *Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D) † Pair of wire leads (2) 11"/10" †† With wire leads

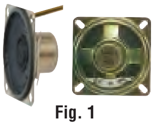


Fig. 1

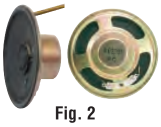


Fig. 2

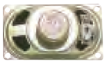


Fig. 3

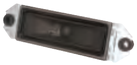
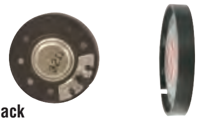


Fig. 4


Back **Side**
Fig. 5

JAMECO ValuePro

Micro Round and Rectangular Speakers

★Web Code: TBX

Part No.	Product No.	Dimensions (Dia." x D")	Input (W) Nom.	Input (W) Max.	Impedance (Ω)	Magnet Size (Dia." x H")	Output SPL (dB)	Frequency Range (Hz)	Pricing 1	Pricing 10	Pricing 100
2099606	SP801W	1.05 x 0.35	0.1	0.2	8	0.67 x 0.17	78	320 – 7500	**$1.49**	**$1.25**	**$1.09**
2095242	35CS088-M75NA	1.4Lx1.3Wx0.2H	0.2	0.3	8	0.44 x 0.10	80	550 – 6700	**1.49**	**1.25**	**1.09**
2081191	5000375-00	2.00 x 0.34	0.2	1.5	8	0.63 x 1.14	85	600 – 3000	**1.49**	**1.25**	**.95**
1956590	TR-050F-R	2.00 x 0.70	0.5	1.0	16	1.25 x 0.34	85	500 – 5000	**1.25**	**1.09**	**.95**
138861	GC0201	0.80 x 0.169	0.1	0.2	32	0.26 x 0.06	78	800 – 7000	**1.09**	**.85**	**.65**
2099593	SP452W	2.25 x 0.5	0.1	0.2	45	0.68 x 0.17	86	150 – 9000	**1.25**	**.99**	**.75**
355514	YGD40A-50	1.57 x 0.40	0.5	1.0	50	0.72 x 0.43	89	600 – 5200	**1.25**	**1.09**	**.99**

2099606

2095242

2081191

2099593

JAMECO ValuePro

Round Ferrite Speakers

★Web Code: TAT

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input (W) Nom.	Input (W) Max.	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
135589	ValuePro	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	**$1.75**	**$1.49**	**$1.25**
320362	ValuePro	TR-057F-R	2.0 x 0.7	0.25	0.5	8	86	900 – 9000	1.3 x 2.5	**1.75**	**1.49**	**1.25**
10840	ValuePro	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	**2.49**	**2.25**	**1.95**
2081254	Star	FR-05202-01	2.0 x 1.15	3.0	5.0	8	85	100 – 5000	1.6 x 0.5	**2.75**	**2.49**	**2.25**
1954800	Regal	R-F163†	3.0 x 1.3	1.5	3.0	16	89	200 – 3000	1.8 x 0.4	**1.49**	**1.25**	**.99**
2099585	ValuePro	RF-608E	2.2 x 0.7	1.0	2.0	48	86	300 – 3000	1.3 x 0.4	**1.49**	**1.25**	**.99**
2081844	ValuePro	20-220-NSR†	2.0 x 0.7	0.1	0.2	50	86	300 – 3000	1.3 x 0.4	**1.75**	**1.49**	**1.25**

† With lead wires

135589

2081254

JAMECO ValuePro

Square Ferrite Speakers

★Web Code: EDT

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input (W) Nom.	Input (W) Max.	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
99996	ValuePro	FEB204ℛ	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	**$2.95**	**$2.75**	**$2.49**
135694	ValuePro	FEB200ℛ	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	**2.25**	**2.09**	**1.89**
2099833	ValuePro	964000-002	2.6 x 0.8	0.2	0.3	8	97	500 – 6000	1.3 x 0.4	**1.49**	**1.25**	**.99**
1954818	ValuePro	TQ-100F-R	4.0 x 1.4	6.0	8.0	8	97	800 – 10000	1.8 x 0.5	**3.25**	**2.95**	**2.59**
31959	ValuePro	FEB216ℛ	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	**2.69**	**2.39**	**2.15**
2099577	ValuePro	SP83W	3.0 x 1.5	2.0	3.0	8	90	300 – 10000	1.8 x 0.6	**2.95**	**2.59**	**1.95**

99996 Side

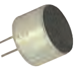
99996 Back

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Omni-Directional Electret Condenser Microphone Cartridges

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors ★Web Code: QBW

1950948


136574/
320179

Part No.	Manufacturer	Product No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing 1	10	100	1000
1950948	ValuePro	AMF-097A40-NB1-LFℛ	-60 ±3dB	50-16,000	10VDC	3.0VDC	0.5mA	-3dB @ 3V	>58dB	>2.2kΩ	PC pin leads	.27" x .39"	**$.99**	**$.89**	**$.79**	**$.69**
2126141	ValuePro	EC928P-602ℛ	-40±2dB	20-12,000	10VDC	4.5VDC	0.5mA	-3dB @ 1.5V	>758dB	>2.2kΩ	PC pin leads	.26" x .38"	**1.09**	**.99**	**.89**	**.79**
136574	ValuePro	WM-60PCℛ	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	**1.09**	**.99**	**.89**	**.79**
320179	ValuePro	EM-99ℛ	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	**.95**	**.85**	**.75**	**.65**

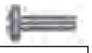
Hardware

SAE Hardware

★Web Code: BAG

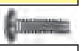
- Zinc-plated steel

Slotted Pan Head Machine Screws



Part No.	Screw Size	Thread	Length (in.)	100 piece multiples 100	1000
38173	2-56ℛ	Std	.250	**$.05**	**$.04**
2094320	2-56ℛ	Std	.375	**.05**	**.04**
2094338	2-56ℛ	Std	.500	**.05**	**.04**
40952	4-40ℛ	Std	.250	**.04**	**.03**
40970	4-40ℛ	Std	.375	**.04**	**.03**
106810	4-40ℛ	Std	.500	**.04**	**.03**
106543	6-32ℛ	Std	.250	**.04**	**.03**
42446	6-32	Std	.375	**.04**	**.03**
42438	6-32	Std	.500	**.04**	**.03**
2094346	8-32ℛ	Std	.250	**.05**	**.04**
106817	8-32ℛ	Std	.375	**.05**	**.04**
106797	8-32ℛ	Std	.500	**.05**	**.04**

Phillips Pan Head Machine Screws



Part No.	Screw Size	Thread	Length (in.)	100 piece multiples 100	1000
2094354	2-56	Std	.250	**$.05**	**$.04**
2094371	2-56ℛ	Std	.500	**.05**	**.04**
2094389	4-40ℛ	Std	.250	**.04**	**.03**
2094397	4-40ℛ	Std	.375	**.04**	**.03**
2094400	4-40ℛ	Std	.500	**.04**	**.03**
2094418	6-32	Std	.250	**.04**	**.03**
2094426	6-32	Std	.375	**.04**	**.03**
2094434	6-32	Std	.500	**.04**	**.03**
2094442	8-32ℛ	Std	.250	**.05**	**.04**
2094451	8-32ℛ	Std	.375	**.06**	**.05**
2094469	8-32	Std	.500	**.05**	**.04**

Phillips Round Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples 100	1000
2095111	6-32	Std	.197	**$.03**	**$.02**
2082978	6-32ℛ	Std	.250	**.04**	**.03**

Phillips Button Head Sheet Metal Screws

Part No.	Screw Size	Thread	Length (in.)	100 piece multiples 100	1000
2100072	8	Std	.375	**$.04**	**$.03**
2100101	6	Std	.375	**.05**	**.04**

Hex Nuts

Part No.	Screw Size	Thread	Diameter (in.)	100 piece multiples 100	1000
38165	2-56ℛ	Std	.183	**$.03**	**$.02**
40943	4-40	Std	.243	**.03**	**.02**
42420	6-32	Std	.306	**.03**	**.02**
51553	8-32	Std	.344	**.04**	**.03**

Flat Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples 100	1000
2094725	2	.188	**$.03**	**$.02**
211131	4	.237	**.03**	**.02**
106826	4ℛ	.281	**.04**	**.03**
106833	6	.373	**.04**	**.03**
106842	8ℛ	.375	**.06**	**.05**

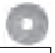
Split Lock Washers

Part No.	Screw Size	Diameter (in.)	100 piece multiples 100	1000
106789	2	.172	**$.03**	**$.02**
40977	4ℛ	.242	**.03**	**.02**
42463	6ℛ	.240	**.03**	**.02**
51609	8	.279	**.03**	**.01**

Internal Tooth Lock Washers

Part No.	Screw Size	Length (in.)	100 piece multiples 100	1000
2094733	2	.200	**$.06**	**$.05**
106850	4	.258	**.05**	**.04**
106868	6	.277	**.05**	**.04**
106877	8ℛ	.323	**.05**	**.04**

Fender Washers



Part No.	Screw Size	Diameter (in.)	100 piece multiples 100	1000
401146	#10	1	**$.06**	**$.05**
401154	1/4"	1.25	**.06**	**.05**
401162	5/16"	1.5	**.06**	**.05**
401171	3/8"	1.5	**.06**	**.05**
401189	1/2"	2	**.09**	**.08**

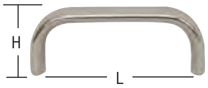
2" General Duty Rigid Caster

- Polyolefin wheels give mobility to heavy loads on smooth surfaces
- Mounting bracket 3"L x 1-3/4"W
- Caster swivels 360˚
- Impervious to water and resists chemicals
- Long wearing, light weight and non-marking
- 125 lbs. load rating per caster

Part No.	Description	1	10	25
2082169	2-1/2" ground clearance	**$.95**	**$.85**	**$.75**

Instrumentation Handle

- Oval aluminum
- 10-32 thread-on 3.00" centers (2)
- Size: 3.3"L x 1.3"H x 0.30"D



Part No.	Product No.	1	10	100
216821	8358-1032-B-5	**$3.95**	**$3.75**	**$3.49**

★*RAF Electronic Hardware Online — Web Code RAF*

Thumbscrews

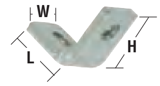
- 6-32 thread
- Aluminum
- Thread length: 3/8"
- Length: 9/16"

★Web Code: VBZ

Part No.	Mfr. Part No.	1	10	100
394063	7125-Aℛ	**$.75**	**$.65**	**$.55**

4-40 Mounting Angle Bracket

- Material: zinc plated steel
- Both holes 4-40 threaded



Part No.	Size (L" x W" x H")	1	10	100
1581530	.375 x .25 x .353ℛ	**$.29**	**$.25**	**$.19**

PCB & Fan Mounting Hardware

- Snap "on"
- Nylon

★Web Code: PSF

28337

129252

2133755/
148056/
2133763

156831

2100064

*Rubber

Order in mutiples of 10

Part No.	Product No.	Size (in.)	Holes	10	100
28337	CS1016	1.2L x 0.6W	.2"	**$.15**	**$.12**
129252	PCST2ℛ	0.9L x 0.4Dia.	.2"/.3"	**.19**	**.15**
2133755	PCST3C	0.7L x 0.5W	.1"/.2"	**.12**	**.10**
148056	PCST3B	0.8L x 0.5W	.1"/.2"	**.12**	**.10**
2133763	PCST4C	0.8L x 0.5W	.1"/.3"	**.15**	**.12**
156831	CS-10	0.68L x 0.32Dia.	.14"	**.19**	**.15**
2100064	SR1036*	1.5L x .38Lip	.167"	**.09**	**.08**

Miscellaneous Hardware

2099745

1581695

2100208/2099753

1581572

2131506

✳ Order in multiples of 10

Part No.	Description	1	10	100
2100208	Terminal lug, #4 stud washer, 0.470"L (tin)	✳	**$.099**	**$.079**
2099745	Terminal lug, #4 stud washer, 0.465"L	✳	**.099**	**.079**
1581695	Offset leg, 6-32 3/8"ℛ screw terminal; 0.55"L	✳	**.09**	**.08**
2099753	Terminal lug, #8 stud washer, 0.605"L	✳	**.15**	**.12**
1581572	Terminal lug, #6 studℛ Lockwasher, 0.865"L	**.29**	**.25**	**.22**
2131506	Compression spring 0.127"OD x 0.78"L black	✳	**.09**	**.08**

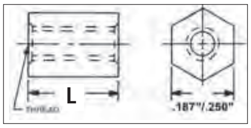
.187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

★ Web Code: TBQ

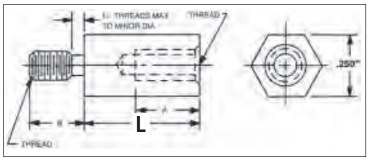
- Finish:
  [1] Aluminum iridite (clear)
  [2] Brass bright tin plate
  [3] Stainless steel
  [4] Zinc clear chromate
  [5] Chrome

Female (Fig. 1)

Male/Female (Fig. 2)



Hex Female (Fig. 1)



Hex Male/Female (Fig. 2)

Hex Male/Female Standoffs

.187" Hex 4-40 (Fig. 2) (A: .250"; B: .187")

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
393458	RAF	4501-440AL7ℛ[1]	.250"	$.45	$.39	$.35
393466	RAF	4503-440AL7ℛ[1]	.375"	.35	.29	.25
393474	RAF	4505-440AL7ℛ[1]	.500"	.45	.39	.35
2125202	RAF	4508-440BR7[2]	.709"	.25	.19	.15
393491	RAF	4509-440AL7ℛ[1]	.750"	.39	.35	.29
393503	RAF	4513-440AL7ℛ[1]	1.00"	.49	.45	.35

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
393546	RAF	4503-632AL7ℛ[1]	.375"	$.35	$.29	$.25
393554	RAF	4505-632AL7ℛ[1]	.500"	.35	.29	.25
393571	RAF	4509-632AL7ℛ[1]	.750"	.29	.25	.19
393588	RAF	4513-632AL7[1]	1.00"	.45	.39	.29

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
77586	RAF	4530-440AL7ℛ[1]	.250"	$.35	$.29	$.25
77594	RAF	4532-440AL7ℛ[1]	.375"	.45	.35	.19
111756	RAF	4534-440AL7ℛ[1]	.500"	.45	.39	.29
139214	RAF	4536-440AL7ℛ[1]	.625"	.45	.39	.29
139222	RAF	4538-440AL7ℛ[1]	.750"	.49	.45	.35
139231	RAF	4542-440AL7ℛ[1]	1.00"	.55	.49	.45
128566	RAF	4546-440AL7ℛ[1]	1.25"	.49	.45	.39
166546	RAF	4550-440AL7ℛ[1]	1.50"	.75	.69	.59

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	●Mfr.	Product No.	Length of L	Pricing 1	10	100
133542	RAF	4530-632AL7ℛ[1]	.250"	$.45	$.39	$.25
133568	RAF	4532-632AL7ℛ[1]	.375"	.45	.39	.25
77607	RAF	4534-632AL7ℛ[1]	.500"	.45	.39	.25
77623	RAF	4538-632AL7ℛ[1]	.750"	.55	.49	.39
77650	RAF	4542-632AL7ℛ[1]	1.00"	.65	.59	.49
393959	RAF	4542-632B12[4]	1.00"	.55	.49	.45
206623	JVP	SP14SS125[3]	1.25"	.95	.85	.75
393968	RAF	4546-632B12ℛ[4]	1.25"	.75	.69	.65

Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1)

Part No.	●Mfr.	Product No.	Length of L	Pricing 1	10	100
175636	JVP	2052-440S0[5]	.187"	$.29	$.25	$.19
133613	RAF	2053-440AL7ℛ[1]	.250"	.29	.25	.19
102796	JVP	14-552ℛ[2]	.250"	.39	.35	.29
133640	RAF	2057-440AL7ℛ[1]	.500"	.39	.35	.25
139792	RAF	2058-440AL7ℛ[1]	.563"	.29	.25	.19
133648	RAF	2059-440AL7ℛ[1]	.625"	.29	.25	.19
133656	RAF	2061-440AL7ℛ[1]	.750"	.35	.29	.25
139185	RAF	2065-440AL7ℛ[1]	1.00"	.35	.29	.25

.250" Hex 4-40 Thread (Fig. 1)

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
139193	RAF	2100-440A7ℛ[1]	.250"	$.25	$.22	$.15
77501	RAF	2102-440AL7ℛ[1]	.375"	.29	.25	.19
393693	RAF	2102-440B12ℛ[4]	.375"	.29	.25	.19
134763	RAF	2103-440AL7ℛ[1]	.437"	.39	.35	.19
108371	RAF	2104-440AL7ℛ[1]	.500"	.45	.39	.25
393713	RAF	2104-440B1[4]	.500"	.35	.29	.25
77519	RAF	2106-440AL7ℛ[1]	.625"	.29	.25	.19
133605	RAF	2108-440AL7ℛ[1]	.750"	.45	.39	.25
393731	RAF	2108-440B12ℛ[4]	.750"	.39	.35	.29
139205	RAF	2112-440A7ℛ[1]	1.00"	.29	.25	.19
387401	RAF	2148-440A7[1]	6.00"	.95	.85	.75
387428	RAF	2152-440A7[1]	7.00"	1.75	1.49	1.35
387444	RAF	2156-440A7[1]	8.00"	1.75	1.49	1.35
387452	RAF	2160-440A7[1]	9.00"	1.75	1.49	1.35
387461	RAF	2164-440-A-7[1]	10.0"	1.95	1.75	1.49

Hex Female Standoffs (Continued)

.250" Hex 10-32 Thread (Fig. 1)

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
387840	RAF	2144-1032A7[2]	5.00"	$.95	$.85	$.75
387858	RAF	2148-1032A7[2]	6.00"	1.95	1.75	1.59
387866	RAF	2152-1032A7[2]	7.00"	2.25	1.95	1.75
387874	RAF	2156-1032A7[2]	8.00"	1.75	1.49	1.35
387882	RAF	2160-1032A7[2]	9.00"	1.75	1.49	1.35
387891	RAF	2164-1032A7[2]	10.0"	1.75	1.49	1.35

.250" Hex 6-32 Thread (Fig. 1)

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
77535	RAF	2100-632AL7ℛ[1]	.250"	$.29	$.25	$.19
133591	RAF	2102-632A7[1]	.375"	.29	.25	.19
77543	RAF	2104-632AL7ℛ[1]	.500"	.29	.25	.19
77552	RAF	2106-632AL7ℛ[1]	.625"	.45	.39	.25
77570	RAF	2108-632AL7ℛ[1]	.750"	.45	.39	.25
77578	RAF	2112-632AL7ℛ[1]	1.00"	.49	.45	.29
143407	RAF	2120-632A7[1]	1.50"	.59	.55	.39
393811	RAF	2120-632B12ℛ[4]	1.50"	.69	.65	.59
143441	RAF	2124-632AL7ℛ[1]	1.75"	.79	.69	.55
387508	RAF	2144-632A7[1]	5.00"	.95	.85	.75
387516	RAF	2148-632A7[1]	6.00"	1.75	1.49	1.35
387524	RAF	2152-632A7[1]	7.00"	1.75	1.49	1.35
387532	RAF	2156-632A7[1]	8.00"	1.75	1.49	1.35
387541	RAF	2160-632A7[1]	9.00"	1.75	1.49	1.35
387559	RAF	2164-632A7[1]	10.0"	2.49	2.25	1.95

.250" Hex 8-32 Thread (Fig. 1) ✳ Order in multiples of 10

Part No.	●Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
387567	RAF	2100-832A7[1]	.250"	✳	$.08	$.07
387671	RAF	2144-832A7[1]	5.00"	.95	.85	.75
387680	RAF	2148-832A7[1]	6.00"	1.75	1.49	1.35
387698	RAF	2152-832A7[1]	7.00"	1.75	1.49	1.35
387701	RAF	2156-832A7[1]	8.00"	1.75	1.49	1.35
387719	RAF	2160-832A7[1]	9.00"	1.75	1.49	1.35
387727	RAF	2164-832A7[1]	10.0"	1.95	1.75	1.49

.250" Round Spacers

★ Web Code: RBQ

- Aluminum or brass
  Finish: [1]Iridite (clear; MIL C-5541E); [2] Zinc (clear chromate; ASTM-B-633)

Non-Threaded Order in multiples of 10

Part No.	●Mfr.	Metal	Size	Length	Pricing 10	100
393061	RAF	Alumℛ[1]	#4	.187"	$.15	$.12
393182	RAF	Brass[2]	#4	.312"	.09	.08
393095	RAF	Alumℛ[1]	#4	.375"	.09	.08
393191	RAF	Brass[2]	#4	.375"	.09	.08
393123	RAF	Alum[1]	#4	.812"	.09	.08
393220	RAF	Brass[2]	#4	.812"	.15	.12
393238	RAF	Brass[2]	#4	.875"	.15	.12
393369	RAF	Brass[2]	#6	.250"	.09	.08
393290	RAF	Alumℛ[1]	#6	.312"	.09	.08
393385	RAF	Brass[2]	#6	.312"	.09	.08

Non-Threaded (Continued) Order in multiples of 10

Part No.	●Mfr.	Metal	Size	Length	Pricing 10	100
393297	RAF	Alum[1]	#6	.375"	$.09	$.08
393326	RAF	Alum[1]	#6	.812"	.09	.08
393422	RAF	Brass[2]	#6	.812"	.15	.12
393431	RAF	Brass[2]	#6	.875"	.15	.12

Threaded Order in multiples of 10

Part No.	●Mfr.	Metal	Thread	Length	Pricing 10	100
1944610	JVP	Alum[1]	6-32	.250"	$.12	$.10
1944628	JVP	Alum[1]	6-32	.375"	.15	.12

Round Magnet

- For science, fridge or projects
- 1.23"Dia. x .19"Thick
- Center hole: .375"Dia.
- Material: ceramic

Part No.	Product No.	1	10	100
109031	CDM	$.49	$.39	$.25

● RAF = RAF Electronic Hardware | JVP = Jameco ValuePro | KEY = Keystone

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ValuePro

Zinc-Finished Steel Metric Screws

These screws are zinc-plated to prevent corrosion and supply high tensile strength while requiring less surface area. Ideal for Mean Well power supply mounting and precision work with close tolerances.

Pan-Head Phillips

Socket-Head Hex

NEW MARKED IN PINK

✳ Order in multiples of 10

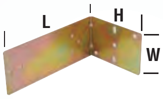
Part No.	Mfr. Part No.	Type of Screw	Head	Drive	Screw Size	Dia. (mm)	Thread Size	Length (mm)	1	10	50	100
2153570	91185	Machine	Pan	Phillips	M3-0.5x4	3	0.5	4	✳	$.19	$.15	$.12
2153588	91188	Machine	Pan	Phillips	M3-0.5x8	3	0.5	8	✳	.19	.15	.12
2153596	91190	Machine	Pan	Phillips	M3-0.5x12	3	0.5	12	✳	.19	.15	.12
2153609	91199	Machine	Pan	Phillips	M4-0.7x6	4	0.7	6	.29	.25	.19	.15
2153617	91201	Machine	Pan	Phillips	M4-0.7x10	4	0.7	10	.29	.25	.19	.15
2153625	91203	Machine	Pan	Phillips	M4-0.7x16	4	0.7	16	.29	.25	.19	.15
2153633	0141695	Cap	Socket	Hex	M3-0.5x4	3	0.5	4	✳	.09	.07	.05
2153641	0135863	Cap	Socket	Hex	M3-0.5x8	3	0.5	8	.39	.35	.29	.25
2153650	0135865	Cap	Socket	Hex	M3-0.5x12	3	0.5	12	.49	.45	.39	.35
2153668	0135877	Cap	Socket	Hex	M4-0.7x6	4	0.7	6	.49	.45	.39	.35
2153676	0135879	Cap	Socket	Hex	M4-0.7x10	4	0.7	10	.49	.45	.39	.35
2153684	0135882	Cap	Socket	Hex	M4-0.7x16	4	0.7	16	.49	.45	.39	.35

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

★ *Web Code: MBM*

Part No.	Product No.	For Models	1	10
222122	DRL-01ℛ	S-25/40, RS-25/35	$.69	$.59
222148	DRL-03	S-240/320, SP-320	1.39	1.25
222173	DRP-03ℛ	All Models	1.25	1.15
222182	MHS012ℛ	S-320/350, SP-100/150/200/320	.49	.39
222199	MHS025	SP-500, PSP-600	.59	.49
248736	2094.0ℛ-	DR, DRH, DRP, DRT, MDR	7.95	6.95



222122 4.35"L x 1.73"W x 2.52"H
222148 7.875"L x 2.48"W x 1.80"H

248736 (DIN Mounting Rail)
Length: 1 meter

222173
1.75"L x 1.97"W x .345"H

222182
.767"L x .60"W x .625"H

222199
5.51"L x 7.89"W x .068"H

Open-Frame Power Supplies, pages 117-118

Enclosed Power Supplies, pages 119-124

DIN-Rail Power Supplies, page 125

JAMECO ValuePro

Adhesive Rubber Feet

★ *Web Code: FAV*

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.

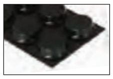


Fig. 1

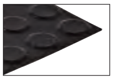


Fig. 2

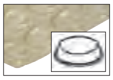


Fig. 3

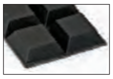


Fig. 4

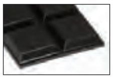
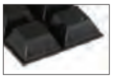


Fig. 5



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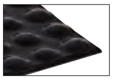


Fig. 7

Part No.	Cross Ref. No.	Type	Fig.	Pack	W" x H"	1	10	50
2119718	BS-34-100BLℛ	Black cylindrical	1	100	.38 x .13	$3.95	$3.49	$2.95
2118897	BS-5-100BLℛ	Black cylindrical	2	100	.50 x .06	4.95	4.49	3.95
142658	SJ5012BLKCℛ	Black cylindrical	1	100	.50 x .14	6.95	5.95	5.49
651911	SJ5312CLR56ℛ	Clear cylindrical	3	56	.50 x .14	2.49	2.25	1.95
126981	SJ5023BLK4ℛ	Black square tapered	4	4	.81 x .30	.95	.85	.75
142666	SJ5023BLKCℛ	Black square tapered	4	100	.81 x .30	14.95	13.49	12.49
142771	SJ5008BLKCℛ	Black square tapered	5	100	.50 x .12	7.95	5.95	4.95
142682	SJ5018BLKCℛ	Black square tapered	6	100	.50 x .23	10.95	8.95	7.95
2118871	BS-7-100BLℛ	Black hemisphere	7	100	.34 x .09	2.95	2.65	2.25
2081385	GB201	100 assorted sizes & types of bumpers & rubber feet				8.95	7.95	6.95

Vibrating Motors

JAMECO ReliaPro

1.3VDC & 3VDC Vibrating Motors

JAMECO EXCLUSIVE

★ *Web Code: NBC*

- Typical applications: cellular phones, pagers and toys

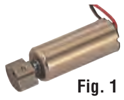


Fig. 1

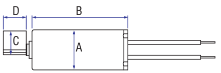


Fig. 1

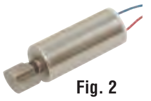


Fig. 2

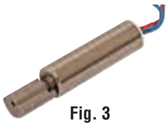


Fig. 3

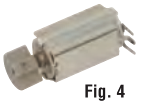


Fig. 4

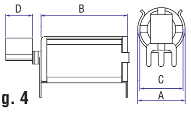


Fig. 4

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) (Dia." x Depth")	Shaft Size (C x D) (Dia." x Length")	Pricing 1	Pricing 10	Pricing 100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	$3.95	$3.49	$2.95
175396	OTL-4AL	3	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.75	0.16 x 0.55	0.15 x 0.23	3.95	3.49	2.95
256306	6ZK003ℛ	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	2.95	2.65	2.25
2150731	Z4KL2A0030001ℛ	2	1.3 @ 80	1.10 - 1.60	9500 @ 1.3	1.0	0.16 x 0.43	0.18 x 0.14	2.49	2.25	1.95
256322	6ZK211ℛ	4	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC terminal	0.27 x 0.48	0.11 x 0.11	2.75	2.49	2.25
256365	7ZK692ℛ	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	3.95	3.49	2.95
256382	7ZK681ℛ	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	3.95	3.49	2.95
256314	6ZK053ℛ	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.25	2.95	2.65
256331	6ZK261ℛ	4	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC terminal	0.27 x 0.48	0.11 x 0.11	3.25	2.95	2.65

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

JAMECO ReliaPro

1.5VDC – 24VDC Motors

★ Web Code: FBN

Nm MOTOR
JOHNSON ELECTRIC
MABUCHI MOTOR
star motor

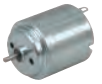
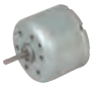


Fig. 1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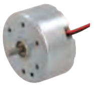
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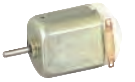
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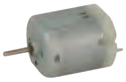
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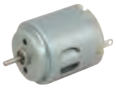
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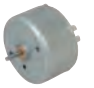
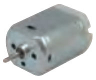


Fig. 7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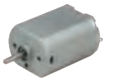
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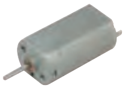
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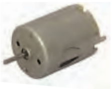
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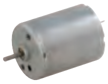
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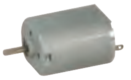
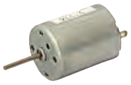


Fig. 13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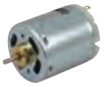
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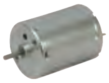
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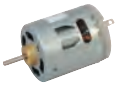
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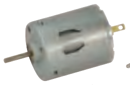
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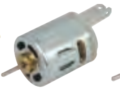
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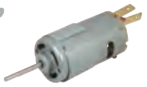


Fig. 20

Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size Dia. x Depth (in.)	Pricing		
						Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
231917	ReliaPro	FE-260-2670	1	1.5	1.5-3	0.66	3700	10.5	42.9	0.12"/solder	0.078	0.314	0.937 x 1.063	**$2.25**	**$1.95**	**$1.75**
238465	ReliaPro	RF-310TA-11400 (CW)	2	2.5	1-6	0.06	2190	3.3	75.0	0.05"/solder	0.078	0.70	0.962 x 0.712	**2.49**	**2.25**	**1.95**
238458	ReliaPro	RF-300CA-11400 (CW)ℛ	3	3	1-6	0.065	2400	4.3	56.4	3" wires	0.078	0.19	0.96 x 0.491	**3.49**	**2.95**	**2.65**
1950930	ReliaPro	RF-300CA-11400-.22ℛ	3	3	1.2-6	0.073	2970	3.8	55.0	3" wires	0.078	0.22	0.96 x 0.489	**2.95**	**2.65**	**2.25**
154915	Star Motor	ST130-12240-38	4	3	1.5-3	0.17	3588	7.4	55.0	0.09"/solder	0.08	0.37	0.79 x 1.13	**1.25**	**1.09**	**.99**
1939589	ReliaPro	FF-130RH-15210	5	3	1-4	0.17	4280	5.8	50.0	0.08"/solder	0.08	0.24/0.21	0.79 x 0.98	**2.25**	**1.95**	**1.75**
1951449	ReliaPro	QJT-260-18130	1	3	1.5-4.5	0.46	4780	10.0	40.0	0.12"/solder	0.078	0.314	0.944 x 1.071	**1.95**	**1.75**	**1.59**
231925	ReliaPro	FE-260-2295	1	3	1.5-4.5	0.63	6850	14	53.9	0.12"/solder	0.078	0.314	0.937 x 1.063	**2.25**	**1.95**	**1.75**
154923	Jency Motor	ST-130-22770	4	3	1.5-3	0.95	13200	10.3	40.0	0.09"/solder	0.08	0.37	0.79 x 1.13	**1.45**	**1.29**	**1.15**
211246	ReliaPro	RC-260RA-2670	6	4.5	3-4.5	1.430	15290	21.8	53.0	0.11"/solder	0.08	0.28	0.93 x 1.06	**1.95**	**1.75**	**1.59**
238511	ReliaPro	RF-500TB-12560	7	6	1.5-12	0.08	2180	11.6	50.6	0.08"/solder	0.078	0.385	1.259 x 0.767	**3.95**	**3.49**	**2.75**
231829	ReliaPro	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	0.08"/solder	0.078	0.433	0.944 x 1.200	**2.49**	**2.25**	**1.95**
231781	ReliaPro	PC-130F-12240	9	6	3-9	0.25	6800	7	33.4	0.08"/solder	0.078	0.377	0.803 x 0.984	**2.25**	**1.95**	**1.75**
232144	ReliaPro	FF-050S-11170ℛ	10	7	1.5-9	0.17	8500	7	51.3	0.08"/solder	0.059	0.433	0.61 x 1.059	**2.49**	**2.25**	**1.95**
177498	ReliaPro	RC280RA-2485ℛ	11	7.2	3-14	1.180	14260	33.3	57.0	0.11"/solder	0.08	0.43	0.95 x 1.20	**2.49**	**2.25**	**1.95**
2095533	Mabuchi Motor	RK-270SH-16175	12	9	4.5-18	0.370	6320	32.5	63.7	0.08"/solder	0.08	0.344	0.96 x 1.21	**2.95**	**2.49**	**1.95**
1955669	Canon	DN26-T41NIB	13	12	4-12	0.25	6600	34.33	—	0.11"/solder	0.08	0.30	1.01 x 1.00	**1.49**	**1.35**	**1.19**
174693	ReliaPro	21226-384221ℛ	14	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.71	0.97 x 1.19	**2.95**	**2.65**	**2.39**
2144673	Mabuchi	RS555PH-23300	15	12	12-30	0.36	5050	380.3	—	0.19"/quick conn.	0.125	0.50	1.44 x 2.625	**6.95**	**5.95**	**4.95**
231732	ReliaPro	PC-130SF-09480ℛ	9	12	6-24	0.11	4800	12.3	49.6	0.08"/solder	0.078	0.377	0.803 x 0.984	**2.75**	**2.49**	**2.25**
238473	Mabuchi Motor	RF-370CA-15370	16	12	3-12	0.17	4840	187	75.0	0.08"/solder	0.078	0.346	0.960 x 1.213	**2.95**	**2.65**	**2.39**
206949	Nichibo	QJT360S14280	17	12	9-30	0.35	4930	44.5	52.0	0.11"/solder	0.09	0.45	1.09 x 1.30	**2.49**	**2.25**	**1.95**
231896	ReliaPro	FE-260-08450	1	12	6-12	0.11	5560	10.3	46.6	0.12"/solder	0.078	0.314	0.937 x 1.063	**1.75**	**1.59**	**1.39**
232005	ReliaPro	UC-280S-19160ℛ	9	12	6-12	0.57	9000	46.6	63.4	0.08"/solder	0.078	0.433	0.944 x 1.200	**2.25**	**1.95**	**1.75**
2125528	Mabuchi Motor	RS-385SH	12	12	6-24	0.89	8170	80.5	62.5	0.11"/solder	0.09	0.56	1.47 x 1.08	**2.95**	**2.49**	**1.95**
1810099	Mabuchi Motor	FK-260SA (14280)	5	12	12-24	0.063	8600	14.8	55.0	0.08"/solder	0.08	0.43	0.96 x 1.06	**1.25**	**1.09**	**.99**
2081895	Mabuchi Motor	FC-280ST-18180*	9	12	8-15	0.16	9700	54.3	59.08	Wire/push-in	0.08	0.45	0.95 x 1.32	**.95**	**.85**	**.75**
232022	ReliaPro	MD5-1885ℛ	15	12	6-18	0.74	9820	53.5	60.7	0.11"/solder	0.091	0.622	1.082 x 1.279	**3.25**	**2.95**	**2.65**
232040	ReliaPro	MD5-2070ℛ	15	12	6-12	1.20	12150	62.2	54.1	0.12"/solder	0.091	0.622	1.082 x 1.279	**2.49**	**2.25**	**1.95**
232047	ReliaPro	MD5-2445	15	12	6-12	2.05	19850	79.7	66.0	0.12"/solder	0.091	0.622	1.082 x 1.279	**2.75**	**2.49**	**2.25**
2082185	Johnson Electric	H615-65050	18	13.6	5.0-13.6	1.44	4575	99.2	—	0.11"/solder	0.124	0.65	1.4 x 1.96	**2.25**	**1.95**	**1.75**
232101	ReliaPro	MD5-1980AS-AA	19	24	12-24	1.43	22600	88.5	60.9	0.24"/solder	0.091	0.512	1.083 x 1.279	**2.95**	**2.65**	**2.25**
137614	Johnson Electric	684823A	11	24	—	0.10	2300	78	61.0	0.8"/quick conn.	0.125	0.53	1.40 x 1.96	**2.25**	**1.95**	**1.75**
2120461	Mabuchi Motor	RS385PH	15	24	—	0.261	2225	11.08	59.8	0.11"/solder	0.09	0.64	1.15 x 1.5	**1.75**	**1.59**	**1.39**

*Reverse

Hi-Torque

237391	ReliaPro	29SYT003	20	13.5	13.5	13	18000	509	—	Quick connect	0.125	1.003	1.141 x 2.283	**$8.95**	**$7.95**	**$6.95**

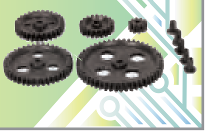
DC TOY MOTORS AND GEAR GRAB BAGS

See page 40 for complete selection

Part No.	Description	Price
18294	5 DC toy motors (1.5-24V)	**$7.95**
1943094	30 assorted gear/shafts	**12.95**

GEAR AND SPIDER COUPLERS

See page 179 for complete selection



Part No.	Description	Price
1810072	10-pc. gear assortment	**$7.95**
138288	.25" spider shaft coupler	**5.95**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ReliaPro

6, 12 & 24VDC Reversible Gear Head Motors

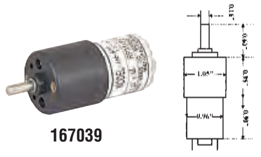
JAMECO EXCLUSIVE

★Web Code: KBB

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	5	25
167039	GH12-0953Yℛ	12	4.5 – 24	90	9	1200	188:1	1.1 x 1.0	1.0 x 0.9	.16 x .60	**$18.95**	**$16.95**	**$15.25**
249480	GH12-1213Y7-0	12	4.5 – 24	51	90	460	70:1	1.1 x 0.6	1.0 x 0.9	.16 x .60	**19.95**	**18.95**	**17.95**
167047	GH12-1828Yℛ	12	4.5 – 24	195	31	1300	90:1	1.1 x 0.8	1.1 x 1.3	.16 x .60	**23.95**	**21.95**	**19.95**

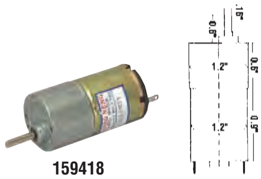


167039

HN27GD Series

GH30GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	5	25
153438	GH12-1045Yℛ	12	3.0 – 12	90	13	800	200:1	1.1 x 0.6	0.9 x 1.0	.16 x .70	**$17.95**	**$15.95**	**$14.49**
170642	GH12-1828Y-10ℛ	12	6.0 – 24	105	8	3500	332:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	**24.95**	**22.49**	**19.95**
159418	GH12-1921Yℛ	12	4.5 – 12	200	25	2000	132:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	**23.95**	**21.95**	**19.95**
162191	GH12-1324Y225ℛ	12	4.5 – 12	145	190	300	30:1	1.1 x 0.6	1.0 x 0.9	.16 x .70	**17.95**	**15.95**	**13.95**

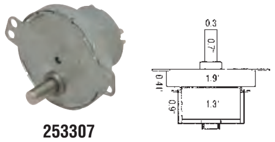


159418

GH30GM Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	5	25
253323	B32-6V7RPM	6	40	6	1500	176:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	**$12.95**	**$11.49**	**$9.95**
253307	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	**17.95**	**15.95**	**13.95**

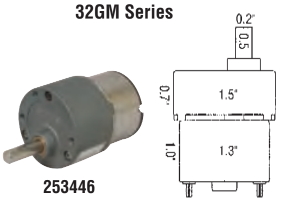


253307

32GM Series

38GM Series

253534	38-010	12	97	24	7500	250:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	**$16.95**	**$14.95**	**$13.49**
253526	38-009	12	93.5	36	5400	167:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	**17.95**	**15.95**	**13.95**
253518	38-008	12	87.5	40	4800	150:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	**14.95**	**13.49**	**11.95**
253500	38-007	12	82	60	3200	100:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	**17.95**	**15.95**	**13.95**
253489	38-005	12	76	110	1300	56:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	**14.95**	**13.49**	**11.95**
253471	38-004	12	74	120	1100	50:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	**14.95**	**13.45**	**11.95**
253446	38-001	12	61.8	600	350	10:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	**17.95**	**15.95**	**14.49**

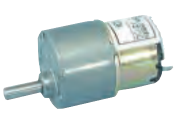


253446

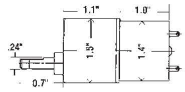
38GM Series

GH35GM Series Plastic Gears

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	5	25
155012	GH12-1926ℛ	12	4.5 – 12	250	2	6000	3000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	**$24.95**	**$22.49**	**$19.95**
155821	GH12-1830Y-Pℛ	12	4.5 – 12	220	4.5	4500	1000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	**23.95**	**21.95**	**18.95**
155839	GH12-1641T-Lℛ	12	3.0 – 12	250	20	3000	270:1	1.4 x 0.8	1.3 x 1.0	.23 x .90	**25.95**	**22.95**	**19.95**
152911	GH12-1926Yℛ	12	4.5 – 12	172	40	2370	100:1	1.4 x 0.6	1.3 x 1.2	.24 x .90	**24.95**	**22.49**	**19.95**
155855	GH12-1641T-Fℛ	12	3.0 – 12	250	71	1000	60:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	**24.95**	**22.49**	**19.95**
151441	GH12-1632TIℛ	12	4.5 – 12	275	57	2200	100:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	**23.95**	**21.95**	**19.95**
155863	GH12-1926Y-Fℛ	12	4.5 – 12	300	70	1000	60:1	1.4 x 0.7	1.3 x 1.0	.24 x .70	**23.95**	**21.95**	**19.95**
161374	GH12-1345Tℛ	12	4.5 – 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	**23.95**	**21.95**	**19.95**
161382	GH12-1634Tℛ	12	4.5 – 12	293	145	850	30:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	**23.95**	**21.95**	**19.95**
164786	GH12-1640Yℛ	12	4.5 – 24	120	220	180	10:1	1.4 x 0.6	1.3 x 1.1	.23 x .90	**24.95**	**22.49**	**19.95**
176050	GH12-1640Y00ℛ	24	12 – 24	340	1.8	6000	3000:1	1.4 x 1.0	1.3 x 1.0	.23 x .90	**23.95**	**21.95**	**19.95**
176032	GH24-1640Y06ℛ	24	12 – 24	340	50	2000	90:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	**25.95**	**22.95**	**19.95**
176023	GH24-1640Y19ℛ	24	12 – 24	340	148	1000	30:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	**25.95**	**22.95**	**19.95**



155012



GH35GM Series Metal Gears

155013	HN-GH12-1632T-R-Mℛ	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	**$23.95**	**$21.95**	**$19.95**
155822	GH12-1830Y-P-R-Mℛ	12	4.5 – 12	250	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	**23.95**	**21.95**	**18.95**
151442	HN-GH12-1632T-R-Mℛ	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	**22.95**	**20.49**	**17.95**

155013

GH35GM Series

JAMECO ReliaPro

120VAC Gear Motor

6.0 RPM – 2.9 Watts

- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- 12" wires connector
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Shaft Dia. length: .27" x .65"
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor
- Size: 2.0"Dia. x 1.0"D

Part No.	Product No.	1	5	25
213488	SOTYZ-Rℛ	**$12.95**	**$11.49**	**$9.95**

SOLARBOTICS

Centering Pager Gear Motor

- Current @ 6V: 20mA
- 5cm leads
- Stall current @ 6V: 220mA
- Stall torque @ 6V: 3.17 in oz.
- Gear ratio: 81:1
- RPM @ 6V: 454
- 0.14" pre side, sq. output shaft
- 60° swing or continuous rotation

Part No.	Mfr. P/N	Size (L" x W" x H")	1	5
2135831	GM10	0.82 x 1.14 x 1.0	**$11.95**	**$10.95**

SOLARBOTICS

Gear Head Motor

- Current @ 6V: 57mA
- Stall current @ 6V: 633mA
- Stall torque @ 6V: 59.26 in oz.
- Gear ratio: 143:1
- RPM @ 6V:80
- Size: 2.2"L x 1.9"W x 0.9"H

Part No.	Mfr. Part No.	1	5	25
400995	GM8	**$6.95**	**$6.25**	**$5.75**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Stepper & Servo Motor Controllers

Dual-Channel Forward/Reverse DC Brushed Motor Controller

RoboteQ

Case

- Multiple command modes: USB, RS-232, 0-5V analog or pulse (RC radio)
- Dual quadrature encoder inputs with 32-bit counters
- Full forward & reverse control on each channel, supports regeneration
- Programmable motor acceleration
- Programmable current limit for each channel up to 2x60A
- Short-circuit, over/undervoltage, overtemperature protection • Up to 4 analog inputs for use as command and/or feedback
- Up to 6 digital user inputs • (2) 1A digital user outputs
- PID control loop w/ separate gains for each channel
- Built-in basic language programming support
- Operates from a single 7V-50V power source

Part No.	Mfr. Part No.	1	5
2152542	MDC2250	$374.95	$349.95

Sport232-ST One Axis Stepper Motor Controller & DAC Board

RMV

- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, biphasic)
- 8 digital I/O and 8 analog inputs w/ 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview

Part No.	Mfr. Part No.	1	5
355047	Sport232-ST	$119.95	$114.95

★*Stepper Motors & Servo Controllers — Web Code VBA*

Pololu High Power Motor Driver

- N-channel MOSFET H-bridge enables bidirectional control one of DC brushed motor
- 5.5-30V operating voltage range
- 15 amps continuous output current per channel w/o heat sink
- Able to provide 21A continuous current with a heatsink
- Only 2 I/O lines allow for both sign magnitude and locked-antiphase operation
- 40kHz max. PWM frequency
- 5.5V max. logic voltage
- Size: 1.3"W x 0.8"L • Soldering required
- Weight: 2.8g (0.1 oz)

Part No.	Mfr. Part No.	1	5
2128235	755℟	$39.95	$37.95

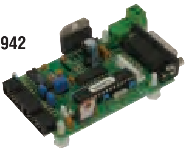
Visit www.Jameco.com for complete selection of Motor Controllers.

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

323942: • For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

323951: • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- Amplifier capable of driving 6A continuously @ up to 48VDC
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset

184997: • Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply • Integrated indexer and driver for 2 or 4 phase stepper motors

323942


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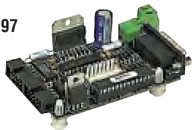


323951

Part No.	Mfr. Part No.	Description	Size (L x W x H)	1	5
323942	KAE-T0V10-BDV1	PIC-SERVO motor control board	3.1" x 2.1" x 0.9"	$159.95	$151.95
323951	KAE-T0V10-BD3PHV1	PIC-SERVO 3-phase motor control board for brush or brushless motors	3.1" x 3.1" x 0.9"	239.95	227.95
184997	PIC-STEP	PIC-STEP motor control board	3.1" x 2.1" x 0.9"	159.95	151.95

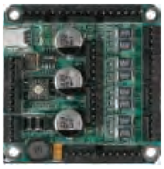
MOTION Motor Solutions in Motion

★*Web Code: VBA*

Get your motor running in less than 30 minutes!

- Easy to set up; easy to use • Daisy chainable on a 4 wire bus • USB/RS232/RS485 Inetface available

4-Axis Stepper Controller & Driver



- Full-featured 4-axis 32-bit position controller with power drivers
- Four independent 1-Amp chopper (PWM) drives
- Operates from 9-30V
- RS-485 and USB communication via virtual comm port
- On-board EEPROM for user program storage
- Daisy-chain up to 16 units
- Stand alone operation with no connection to a PC
- 12 ADC inputs, halt/branch on ADC value
- Milliohm FETs; runs cool
- Dimensions: 2.25"L x 2.25"W x 0.7"H

Part No.	Product No.	1	5
2123291	EZ4AXIS℟	$379.95	$359.95

USB Stepper Controller & Driver

- Full-featured 1-axis 32-bit position controller with power drive
- 0.5A power drive
- Operates from 9-30V or USB port
- USB communication via virtual comm port
- On-board EEPROM for user program storage
- Daisy-chain up to 16 units
- Stand alone operation with no connection to a PC
- 4 inputs, 2 outputs, halt/branch on input status
- Milliohm FETs; runs cool
- Dimensions: 2.0"L x 1.0"W x 0.5"D

Part No.	Product No.	1	5
2123303	STEPPER-STICK-CD℟	$159.95	$149.95

Inch-Size Stepper Controller & Driver

- Go Left, Go Right upon switch closure
- 1 Amp chopper (PWM) drive
- Operates from 9-30V
- Potentiometer-settable speed and current
- No programming required
- Acceleration programmable via resistor change.
- 2 direction and 2 limit switch inputs
- Milliohm FETs; runs cool
- Dimensions: 1.0"L x 1.0"W x 0.5"D

Part No.	Product No.	1	5
2123311	Intelli-Inch-LR℟	$74.95	$69.95

MegaMoto Motor Control Shield

ROBOT POWER

A robust H-bridge motor shield for Arduino™ allowing control of up to 30A of current at up to 28V.

- Compatible with Arduino Uno, Duemilanove, Mega, and other units with the same footprint
- Up to 3 MegaMoto shields can be stacked to control up to 6 motors in half-bridge mode
- Input voltage range: 5-28V (24V max. battery rating)
- Output current (continuous): 13A • PWM frequency: DC to 20kHz

Part No.	Mfr. Part No.	1	5
2128534	MEGAMOTO℟	$59.95	$56.95

DC Motor Speed Control Kit

JAMECO ValuePro

This kit uses Pulse Width Modulation (PWM) to vary the speed of a DC motor and maintain torque.

- For use with motors up to 100VDC/5A max.
- Intermediate level kit
- Total of 35 pieces
- Dimensions: 3.6"L x 2.3"W x 1.2"H
- Requires a 5-16VDC supply (Not included, recommend P/N 114825, pg.107)

★*Web Code: ERK*

Part No.	Mfr. Part No.	1	5
127829	GMC-1102℟	$36.95	$34.95

JAMECO ReliaPro

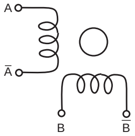
Bipolar & Unipolar Stepper Motors

★Web Code: UBN

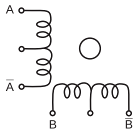
Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 24VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 179, for shaft coupler

Bipolar (2-phase)



Unipolar (4-phase)



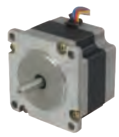


Fig. 1

Fig. 2

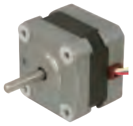


Fig. 3

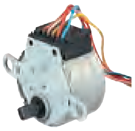


Fig. 4

Fig. 5

Fig. 6

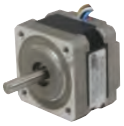


Fig. 7

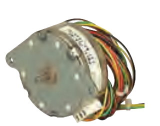


Fig. 8

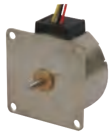


Fig. 9

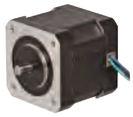


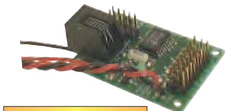
Fig. 10

Part No.	◉Mfr.	Product No.	Fig.	Drive System	Rated Voltage (VDC)	Step Angle (˚5%)	Phase Resis. (Ω)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing 1	Pricing 5	Pricing 25
1581231	JRP	42BYGHM206-07E	3	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	0.46	**$21.95**	**$19.95**	**$17.95**
237607	JRP	57BYGH001ℛ	1	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	**29.95**	**26.95**	**23.95**
237825	JRP	25BY4801	4	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	**9.95**	**8.95**	**7.95**
223870	JRP	57BYG070	2	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	**29.95**	**26.95**	**23.95**
237631	JRP	57BYGH803	1	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	**49.95**	**44.95**	**39.95**
2138812	JRP	35BY48I030-01ℛ	5	Unipolar	7	7.5	20	350	11	125	450	1.59	0.12	0.078	0.47	1.37	0.85	0.22	**8.95**	**7.95**	**6.95**
224022	JRP	42BYG016ℛ	6	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	**21.95**	**19.95**	**17.95**
155433	JRP	42BYG228ℛ	6	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	**20.95**	**18.95**	**16.95**
237543	JRP	57BYG007ℛ	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	**24.95**	**22.49**	**19.95**
238538	JRP	42BYGH404ℛ	7	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	**21.95**	**19.95**	**17.95**
162027	JRP	57BYG084ℛ	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	**35.95**	**32.25**	**28.95**
237876	JRP	25BY4809	4	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	**3.49**	**3.25**	**2.95**
238115	JRP	35BY48B08	8	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	**8.49**	**7.49**	**6.75**
237729	JRP	42BY48H07	9	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	**5.95**	**5.49**	**4.95**
237526	JRP	42BYGH001	1	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	**19.95**	**17.95**	**15.95**
2120479	JRP	RDS3000	10	Bipolar	4	1.8	4	1000	10	—	3600	1.21	0.09	0.195	0.312	1.67	1.62	0.40	**14.95**	**13.49**	**11.95**
237490	JRP	39BYG001ℛ	6	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	**21.95**	**19.95**	**17.95**
237578	JRP	57BYG061ℛ	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	**34.95**	**31.95**	**28.95**
237519	JRP	42BYG017ℛ	6	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	**21.95**	**19.95**	**17.95**
155460	JRP	42BYG023ℛ*	6	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	**21.95**	**19.95**	**17.95**
237472	JRP	39BYG401Aℛ	6	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	**21.95**	**19.95**	**17.95**

***155460:** Dual shaft   ◉ Manufacturer: JRP = Jameco ReliaPro

Scott Edwards Electronics, Inc.

Serial Servo Controller Module



★Web Code: VBA

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing 2 units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115554, pg 53) or modular adapter from DB9 to RJ11 (P/N 114738, pg 54)
- Size (PCB): 1.9"L x 1.4"W
- One-year warranty

Part No.	Description	1	5
151001	Mini SSC II	**$43.95**	**$39.95**

6-Channel USB Servo Controller

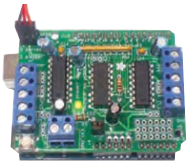
★Web Code: VBA

- 5-16V operating voltage
- USB, TLL (5V) serial & internal scripting
- 0.25μs resolution with built-in speed and acceleration control
- Configure channels as outputs for RC servos, ESCs, digital outputs or analog inputs
- 1kB internal script memory
- Can be daisy-chained
- Free config. & control app for Windows®

Part No.	Mfr. Part No.	Size (L" x W")	1	5
2128180	1350ℛ	1.2 x 0.85	**$19.95**	**$18.95**

Motorshield for Arduino

★Web Code: ARD



This MotorShield will be a great kit to help power and control your motors by simply using your Arduino. Power up and control your servos, bidirectional DC motors and stepper motors in a variety of combinations. This kit includes all the necessary parts, except the motors and the Arduino. Assembly is required.

- L293D shipset with 4 H Bridges and 0.6A per bridge
- Run motors on 4.5VDC to 36VDC
- Up to 4 bi-directional DC motors with individual 8-bit speed selection
- Up to 2 stepper motors with single coil, double coil, or interleaved stepping
- 2-pin terminal block and jumper to connect external power
- Downloadable easy-to-use Arduino software library

Part No.	Mfr. Part No.	1	5
2121130	81ℛ	**$19.95**	**$18.95**

MOBILE CHASSIS PLATFORMS

Get started building your robots with a convenient, rugged and ligtweight chassis.

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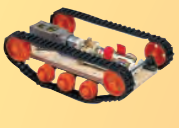

P/N 2114520
$19.95

P/N 2124285
$69.95

P/N 2144542
$489.95

Servo Motors & Solenoids

Servo Motors and Accessories

- + pulse width 1500µsec. neutral control system
- Operating voltage range: 4.8V to 6V

★ Web Code: SMA

2128198

395760

358635

358619

2124971

Motors

Part No.	Manufacturer Part No.	Oper. Speed (4.8V@no load)	Stall Torque @ 4.8V (kg.cm)	Direction	Operating Angle	Current Drain (mA, idle/ mA no load)	Dimensions (L" x W" x H")	Pricing 1	5
2128198	105ℛ*	.12sec/60˚	0.6	Clockwise	—	—	7.9 x 0.3 x 0.8	**$9.95**	**$8.95**
2144497	SER0019	.17sec/60˚	10	Clockwise	—	150mA	3.2 x 2.4 x 2.4	**24.95**	**22.95**
395760	HS-322HD	.19sec/60˚	3.0	Clockwise	40˚/one side pulse	7.4/160	2.1 x 0.8 x 1.4	**14.95**	**13.49**
358635	HS-311	.19sec/60˚	3.0	Clockwise	40˚/one side pulse	7.4/160	1.5 x 0.8 x 1.1	**16.95**	**15.95**
358619	HS-805BB	.19sec/60˚	19.9	Clockwise	45˚/one side pulse	8/700	2.6 x 1.2 x 1.3	**59.95**	**56.95**
395786	HS-422	.21sec/60˚	3.3	Clockwise	45˚/one side pulse	8/150	1.6 x 0.8 x 1.4	**19.95**	**18.95**
2124980	HS-485HBℛ	.22sec/60˚	4.8	Clockwise	45˚/one side pulse	8/150	1.6 x 0.8 x 1.5	**16.95**	**15.95**
2124971	HS-645MGℛ	.24sec/60˚	7.7	Clockwise	45˚/one side pulse	8.8/350	1.6 x 0.8 x 1.5	**34.95**	**31.49**

* Manufacturer: Pololu Corp.

Accessories

Part No.	Description	1	5
358811	Servo gripper, 1.3" opening (compatible with all servos above)	**$19.95**	**$18.95**
396279	3 color servo wire (red, black, yellow), 22-20, 50'	**15.95**	**14.49**
2143902	24" Male-to-female twisted servo extension cableℛ	**3.95**	**3.75**
2143911	12" Female-to-2x female servo Y splitter cableℛ	**3.95**	**3.75**

358811

396279

Continuous Rotation Servos

Controlled easily from a BASIC Stamp or SX chip I/O pin using PBASICs or SX/B's PULSOUT commands.

- 4-6VDC @ ~190mA

2128201: 2 ball bearings on the output shaft for reduced friction
2110692/283021: Holds position over 180˚ range; standard servo
283039: Bidirectional continuous rotation and includes an adjustable potentiometer port to center the servo

2128201

Part No.	Mfr.	Mfr. Part No.	Stall Torque @ 6V	Size (L" x W" x H")	Weight (oz.)	1	5
2128201	Pololu	1248ℛ	66.7 oz.-in.	1.7 x 0.8 x 1.6	1.55	**$13.95**	**$12.95**
283021	Parallax	900-00005ℛ	43.1 oz.-in.	2.2 x 0.8 x 1.6	1.55	**14.95**	**13.95**
283039	Parallax	900-00008	47 oz.-in.	2.2 x 0.8 x 1.6	1.50	**14.95**	**13.49**
2110692	Parallax	900-00014ℛ	19.4 oz.-in.	0.9 x 0.37 x 0.61	0.31	**17.95**	**15.95**

24VDC Pull-Type Solenoid

Powerful 22-26VDC solenoid with spring return. Also works with 12VDC.

- 3.3-4.2Ω coil
- Pull force: 3.7 lbs. @ 24VDC
- 3.4" mounting bracket attached to body
- 3" long plunger

Part No.	Mfr. Part No.	Size (Dia." x L")	1	5
2137941	SOL-58ℛ	0.77 x 1.82	**$2.95**	**$2.69**

12VDC Power Solenoid

- 12VDC
- 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers
- Size: 1.86" x 3" base

Part No.	Product No.	1	5	25
1585645	93285	**$3.95**	**$3.49**	**$2.95**

12VDC Solenoid Valve

- Current: 350mA
- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- Air leakage: 4psi, 1c.c./min. max.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C

★ Web Code: MEJ

Part No.	Product No.	1	5	25
169835	TAV-0829-Rℛ	**$10.95**	**$9.95**	**$8.95**

DC TOY MOTOR GRAB BAG

Part No.	Price
18294	**$7.95**

See page 40 for Grab Bags.

Servo motors can be used in a wide variety of applications from making robots walk, to remote-controlled vehicle movement. These servos come in miniature sizes for small projects and larger sizes for industrial purposes. For the full line of servo motors, visit www.Jameco.com/servos

12VDC & 24VDC Continuous Push/Pull Solenoids

★ Web Code: MEJ

1919385

262247

262272

262167

142464

215141

149754

Part No.	◉Mfr.	Product No.	Type	Volt. (VDC)	Coil Res. (±10%) (Ω)	Power Consump. (W)	Holding Force (lbs.@20°C)	Stroke (in.)	Dimensions Length x Dia. (in.)†	Shaft Dia. (in.)	Wt. (lbs.)	Pricing 1	5	25
1919385	JRP	SMO-0420S12STD	Open frame-push	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.060	0.02	**$12.95**	**$11.49**	**$9.95**
262247	JRP	SMO-0520L12STDℛ	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	**12.95**	**11.49**	**9.95**
262272	JRP	SMO-0837S12STDℛ#	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	**8.95**	**7.95**	**6.95**
262167	JRP	SMT-1325L12STDℛ	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	**14.95**	**13.45**	**11.95**
142464	JRP	SH-T1130L-12VDCℛ	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	**11.95**	**10.95**	**9.95**
215141	JRP	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	**13.95**	**12.49**	**11.25**
149754	JRP	SMT-1325S12Aℛ	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	**19.95**	**17.95**	**15.95**
149762	JRP	SMT-1632S12Aℛ#	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	**16.95**	**15.25**	**13.75**
1919203	LEX	191172-001	Stroke-push	12	45	7.3	—	0.125	1.0 x 0.5	0.060	0.1	**3.95**	**3.55**	**2.95**

149762

1919203

† Open frame type dimensions: L" x W" x H" * Dual shaft #For compression spring, recommend P/N 2131506, pg 89

◉ JRP = Jameco ReliaPro | LEX = Ledex

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

695050

1581249

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DC Brushless Tubeaxial Fans & Blowers

★5V Web Code: TAS

★12V Web Code: LBZ

1809936

2095269

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
2095285	Adda℞	AD1505LX-K90	5	15 x 15 x 6	0.1	Hypro	50	0.25	CE	9.6	5.5"	$8.95	$7.95	$6.95	$5.95
2095277	Adda℞	AD2005LX-G70	5	20 x 20 x 10	0.6	Hypro	80	0.4	UL/CUL/CSA/TUV/CE	20	5.5"	6.95	5.95	4.95	3.95
2131872	Adda℞	AD0205MX-K53-LF	5	25 x 25 x 6	2.2	Hypro	120	0.6	UL/CUL/TUV/CE	26	6" [1]	8.95	7.95	6.95	5.95
131247	Adda℞	AD0205LX-G50	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	14.95	13.49	11.95	10.95
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	10.95	9.95	8.95	7.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	8.95	7.95	6.95	5.95
2131899	Adda℞	AD0305LX-K70-LF	5	30 x 30 x 6.8	2.5	Hypro	90	0.45	UL/CSA/TUV/CE	20	6"	5.95	5.35	4.79	3.95
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	5.95	4.95	3.95	3.49
2099497	Adda℞	AD0305MX-K70	5	30 x 30 x 6.8	3.3	Hypro	120	0.6	UL/CSA/TUV/CE	27.9	5.5"	5.95	4.95	4.49	3.95
1951211	Sunon	KDE0503PEV1-8 (MSN)	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	28	6"	5.95	4.95	3.95	3.49
1951220	Sunon	KDE0503PEB3-8 (MSN)	5	30 x 30 x 6.8	4.9	Ball	180	0.9	UL/TUV/CE	28	6"	6.95	5.95	4.95	3.95
2099489	Adda℞	AD0305HX-G50	5	30 x 30 x 10	4.2	Hypro	170	0.85	UL/CUL/TUV/CE	30.7	5.5"	5.95	4.95	3.95	2.95
1950534	Sunon	KDE0503PFB1-8V	5	30 x 30 x 10	5.1	Ball	180	0.7	UL/TUV	22.5	5"	5.95	4.95	3.95	2.95
2120031	Sunon℞	GM0503PEV1-8N.GN	5	30 x 30 x 10	5.5	Vapo	140	0.7	UL/CSA/TUV	23	6"	5.95	4.95	3.95	2.95
2095293	Adda℞	AD305HB-D50	5	30 x 30 x 15	3.7	Ball	130	0.65	UL/CUL/TUV/CE	22.5	11"	5.95	5.39	4.79	4.29
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	5.95	5.35	4.79	3.95
1928361	Adda	AD0405MB-K90 (S)	5	40 x 40 x 6.8	5.5	Ball	90	0.45	UL/TUV/CE	25	6"	5.95	4.95	3.95	3.49
2132031	Adda℞	AD0405HX-KC3(Y14X)LF	5	40 x 40 x 6.8	5.9	Hypro	60	0.6	UL/CSA/TUV/CE	27	5.5" [1]	7.95	6.95	6.25	5.59
1928353	Adda	AD0405HB-K90	5	40 x 40 x 6.8	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	8.95	7.95	6.95	5.95
1581249	Sunon	KDE0504PFB3-8	5	40 x 40 x 10	4.6	Ball	70	0.35	UL/CUL	23.5	12"	6.95	6.25	5.59	4.95
2138628	Adda℞	AD0405MB-G70	5	40 x 40 x 10	5.7	Ball	110	0.55	UL/CUL/TUV/CE	20	12"	9.95	8.95	8.49	7.95
2131928	Adda℞	AD0405MX-G76-LF	5	40 x 40 x 10	5.7	Hypro	110	0.55	UL/CUL/TUV/CE	20	11" [2]	6.95	6.25	5.59	4.95
2121295	Adda	AD0405MB-G76	5	40 x 40 x 10	5.7	Ball	110	0.40	UL/CSA/TUV/CE	20	11" [1]	8.95	7.95	6.95	5.95
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	6.25	5.59	4.95
2100013	Delta	AFB0405LD-R00	5	40 x 40 x 20	5.6	Ball	210	1.05	UL/CSA/VDE/CE	25	13" [2]	4.95	4.49	3.49	2.95
1952741	Elina	KDC050420MB	5	40 x 40 x 20	6.8	Ball/Sleeve	210	1.0	UL/CUL/TUV	25.5	12"	6.95	5.95	5.49	4.95
2131910	Adda℞	AD0405MX-C50-LF	5	40 x 40 x 20	8.1	Hypro	160	0.8	UL/CUL/TUV/CE	27	5.5"	6.95	6.25	5.59	4.95
1951406	Delta	AFB0405HD-ROO	5	40 x 40 x 20	8.5	Ball	400	2.0	UL/CUL/TUV/CE	33	12" [1]	6.95	6.25	5.95	4.95
2095251	Adda℞	AD4505MX-K90	5	45 x 45 x 6	7.1	Hypro	120	0.6	CE	25.5	5.5"	3.95	3.59	3.29	2.95
136494	Delta	AFB0505LA	5	51 x 51 x 10	7.4	Ball/Sleeve	80	0.4	UL/CE/CSA/VDE	26	11"	6.95	6.25	5.59	4.95
2150774	Adda℞	AD0505MB-G70-LF	5	51 x 51 x 10	10.5	Ball	180	0.9	UL/CUL/TUV/CE	24	12"	9.95	8.95	8.49	7.95
136275	Delta	BFB0505L†	5	51 x 51 x 15	2.5	Ball	140	0.7	UL/CE/CSA/VDE	26.5	12"	9.95	8.95	7.95	6.95
136283	Elina	KDC050515MB	5	51 x 51 x 15	12.7	Ball/Sleeve	380	4.0	UL/CE/CUL/TUV	28	11"	6.95	6.25	5.59	4.95
1809936	Sunon℞	KD0505PHB2 (GN)	5	51 x 51 x 15	12.7	Ball	180	0.8	UL/CUL/TUV/CE	27.8	12"	8.95	7.95	6.95	6.25
2131961	Adda℞	AD0605MX-D71GL-LF	5	60 x 60 x 15	14.2	Hypro	250	1.25	UL/CSA/TUV/CE	28.8	5"	6.95	6.25	5.59	4.95
2131952	Adda℞	AD0605MB-D71GL-LF	5	60 x 60 x 15	14.2	Ball	250	1.25	UL/CSA/TUV/CE	28.8	6"	7.95	6.95	6.25	5.59
1809944	Sunon	KDE0506PHB3	5	60 x 60 x 15	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	6.95	5.95	5.25	4.95
2081756	Adda	AD0605HB-D71GL	5	60 x 60 x 15	16.6	Ball	370	1.8	UL/CUL/CE	32	6"	5.95	5.49	4.95	4.49
1708431	Sunon	KD0506PHB2	5	60 x 60 x 15	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	8.95	7.95	6.95	6.25
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	7.95	6.95	5.95	4.95
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/conn	3.95	3.59	3.29	2.95
134869	Delta	AFB0605M	5	60 x 60 x 25	16.2	Ball	220	1.1	UL/CE/CSA/TUV	24.5	12"	7.95	6.95	6.25	5.59
2131944	Adda℞	AD0605HB-A70	5	60 x 60 x 25	23.2	Ball	450	2.25	UL/CUL/TUV/CE	32	11"	7.95	6.95	6.25	5.59
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" [2]	7.95	6.95	5.95	4.95
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" [2]	6.95	5.95	4.95	4.49
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" [2]	10.95	9.95	8.95	7.95
2095269	Adda℞	AD2012LX-K70	12	20 x 20 x 6	0.6	Hypro	60	0.72	CE	19.5	5.5"	7.95	6.95	5.95	4.95
2100363	Adda℞	AD0212LX-K50-LF	12	25 x 25 x 6	1.8	Hypro	60	0.3	UL/CUL/TUV/CE	20.5	5.5"	5.95	4.95	3.95	2.95
2131881	Adda℞	AD0212MX-K53-LF	12	25 x 25 x 6	2.2	Hypro	80	0.4	UL/CSA/TUV/CE	23	6" [1]	8.95	7.95	6.95	5.95
2095306	Adda℞	AD0212MB-K50 (S)	12	25 x 25 x 6	2.4	Ball/Sleeve	90	1.08	UL/CUL/TUV/CE	26	5.5"	11.95	10.95	9.95	8.95
1951641	Adda	AD0212LB-G50 (GL)	12	25 x 25 x 10	1.8	Ball	70	0.84	UL/CUL/CE	15.6	5.5"	8.95	7.95	6.95	5.95
2121316	Adda	AD0212MX-G50GL	12	25 x 25 x 10	2.3	Hypro	80	0.4	UL/CUL/TUV/CE	23.1	5.5"	3.95	3.59	3.29	2.95
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	7.95	6.95	5.95	4.95
2131901	Adda℞	AD0312MB-G50-LF	12	30 x 30 x 10	4.1	Ball	120	0.6	UL/CSA/TUV/CE	28	6"	7.95	6.95	5.95	4.95
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	4.2	Ball	66	0.8	UL/CUL	25	6"	5.95	5.35	4.79	4.29
212784	Sunon℞	KDE1203PFB1-8V	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	4"	6.95	5.95	4.95	3.95
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	7.95	6.95	5.95	4.95

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection (All fans operate to their specs with or without the additional optional wire functions) † Blower

Fans continued on next page

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1585291

1950446

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DC Brushless Tubeaxial Fans & Blowers (Continued)

★ 12V Web Code: LBZ

125006

2078178

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	4.2	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/ conn	**$5.95**	**$5.25**	**$4.95**	**$3.95**
212741	Sunon	KDE1235PFB2-8	12	35 x 35 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	5.9"	**9.95**	**8.95**	**7.95**	**6.95**
212760	Sunonℛ	GM1235PFV1-8	12	35 x 35 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE	28	6"	**14.95**	**13.49**	**11.95**	**10.95**
2099500	Addaℛ	AD0412HB-K96	12	40 x 40 x 6.8	6.0	Ball	80	0.72	UL/CUL/TUV/CE	30	5.5" [1]	**8.95**	**7.95**	**6.95**	**6.25**
210797	Sunonℛ	KD1204PFV3	12	40 x 40 x 10	4.9	Vapo	60	0.6	UL/CUL/TUV/CE	24	12"	**6.95**	**6.25**	**5.59**	**4.95**
2138652	A-Power	FS0412MB#	12	40 x 40 x 10	5.35	Ball	40	0.48	UL/CSA/TUV/CE	22	8" w/ conn	**5.95**	**5.39**	**4.79**	**4.29**
279611	Toyo	T401012VH	12	40 x 40 x 10	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	**4.95**	**4.49**	**3.95**	**3.59**
1585469	Y.S. Tech	FD1240107B-2N	12	40 x 40 x 10	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	**3.95**	**3.49**	**2.95**	**2.59**
1928054	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/conn	**4.95**	**4.49**	**3.95**	**3.59**
2100380	Addaℛ	AD0412HX-G71-LF	12	40 x 40 x 10	6.7	Hypro	100	1.2	UL/CUL/TUV/CE	25	10"	**6.95**	**5.95**	**4.95**	**3.95**
290010	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/conn	**7.95**	**6.95**	**6.25**	**5.59**
212717	Sunonℛ	KDE1204PFV2.11.MS.A.GN	12	40 x 40 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE/VDE	27	12"	**6.95**	**6.25**	**5.59**	**4.95**
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	**5.95**	**5.25**	**4.95**	**3.95**
2081924	Sunon	KDE1204PFB2	12	40 x 40 x 10	7.5	Ball	90	1.1	UL/CUL/TUV/CE	30	12"	**8.95**	**7.95**	**6.95**	**5.95**
189691	Sunonℛ	KD1204PFS1-11.GN	12	40 x 40 x 10	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	**7.95**	**7.19**	**6.49**	**5.79**
212725	Sunonℛ	KDE1204PFV1	12	40 x 40 x 10	8.3	Vapo	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	**6.95**	**6.25**	**5.59**	**4.95**
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	**5.95**	**4.95**	**4.49**	**3.95**
136178	Adda	AD0412MS-C70	12	40 x 40 x 20	5.0	Sleeve	110	1.32	UL/CSA	23	9"	**3.95**	**3.59**	**3.29**	**2.95**
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	**4.95**	**4.49**	**3.95**	**3.59**
2120065	Sunonℛ	KD1204PKB2(2)GN	12	40 x 40 x 20	7.7	Dual ball	62	0.7	UL/CSA/TUV	22	12"	**5.95**	**5.39**	**4.79**	**4.29**
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	**5.95**	**5.39**	**4.79**	**4.29**
2099518	Addaℛ	AD0412UB-C51	12	40 x 40 x 20	9.9	Ball	180	2.16	UL/CUL/TUV/CE	36.1	11"	**5.95**	**5.39**	**4.79**	**4.29**
2131864	Addaℛ	AD0412HB-C56-LF	12	40 x 40 x 20	10	Ball	100	1.2	UL/CUL/TUV/CE	36	4.5" w/conn	**5.95**	**5.39**	**4.79**	**3.95**
2082100	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	4"	**7.95**	**6.95**	**6.25**	**5.59**
1928118	Adda	AD0412HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	**8.95**	**7.95**	**6.95**	**6.25**
2135380	Addaℛ	AD0412UB-C72GP(P)	12	40 x 40 x 20	10.6	Ball	170	2.4	UL/CUL/TUV/CE	34	12" [2]	**10.95**	**9.95**	**8.95**	**7.95**
1585291	Sunon	GM1204PKVX-A	12	40 x 40 x 20	10.8	Vapo	130	1.6	UL/CUL/CSA	27.5	5"	**6.95**	**6.25**	**5.59**	**4.95**
2082089	Sanyo Denki	109P0412H302	12	40 x 40 x 28	11.3	Ball	195	2.3	UL/CSA/TUV	37	3.75"	**4.95**	**4.49**	**3.95**	**3.59**
2095162	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	3" w/conn[1]	**9.95**	**8.95**	**7.95**	**6.95**
1951246	Sunon	PMD1204PQBX-A(2)	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	**12.95**	**11.49**	**9.95**	**8.95**
1951254	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12" [1]	**11.95**	**10.95**	**9.95**	**8.95**
1950753	Comair Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	**5.95**	**5.49**	**4.95**	**3.95**
2095322	Addaℛ	AD4512HX-G70	12	45 x 45 x 10	9.1	Hypro	90	1.08	UL/CUL/TUV/CE	27.4	11"	**7.95**	**6.95**	**6.25**	**5.59**
2100371	Addaℛ	AD0512LX-G70LF	12	51 x 51 x 10	9.0	Hypro	60	0.72	UL/CSA/TUV/CE	20	11"	**4.95**	**4.49**	**3.95**	**3.59**
1918809	Jamicon	KF0510B1M	12	51 x 51 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	**5.95**	**5.35**	**4.79**	**4.29**
2095331	Addaℛ	AD0512HX-G70	12	51 x 51 x 10	10.5	Hypro	120	1.4	UL/CUL/TUV/CE	24	11"	**5.95**	**5.35**	**4.79**	**4.29**
2095349	Addaℛ	AD0512MB-G76	12	51 x 51 x 10	10.5	Ball	120	1.4	UL/CUL/TUV/CE	24	11" [1]	**7.95**	**6.95**	**6.25**	**5.59**
1950446	Sunon	KD1205PFB1(2)H	12	51 x 51 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	**7.95**	**6.95**	**6.25**	**5.59**
2100419	Addaℛ	AD0512HB-G70-LF	12	51 x 51 x 10	11.8	Ball	90	1.08	UL/CSA/TUV/CE	27	11"	**7.95**	**6.95**	**6.25**	**5.59**
125006	Nidec	A33999-16†	12	51 x 51 x 15	4.0	Ball	170	2.04	UL/CE	46	11"	**7.95**	**6.95**	**5.95**	**4.95**
139601	Adda	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	5"	**5.95**	**5.39**	**4.79**	**4.29**
139602	Addaℛ	AD0512HS-D71-R	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	**8.95**	**7.95**	**6.95**	**6.25**
2099534	Addaℛ	AD5012MX-D71	12	51 x 51 x 15	12.6	Hypro	100	1.2	UL/CUL/TUV/CE	29	5.5"	**7.95**	**6.95**	**6.25**	**5.59**
1809813	Sunon	GM1205PHV1-AR	12	51 x 51 x 15	17	Vapo	130	1.5	UL/CUL/TUV/CE	33	12" [2]	**7.95**	**6.95**	**6.25**	**5.59**
2095357	Addaℛ	AD0612HB-G70	12	60 x 60 x 10	14.5	Ball	150	1.8	UL/CUL/TUV/CE	32	11"	**8.95**	**7.95**	**6.95**	**6.25**
1946025	Evercoolℛ	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9" [1]	**8.95**	**7.95**	**6.95**	**6.25**
2115522	Everflowℛ	R126010DU	12	60 x 60 x 10	19.41	Ball	250	3	UL/CE/TUV	37	9" w/ conn[1]	**8.95**	**7.95**	**6.95**	**6.25**
2078178	Delta	AFB0612MB	12	60 x 60 x 15	13.4	Ball	80	0.96	UL/CUL/TUV/CE	29	12"	**6.95**	**6.25**	**5.59**	**4.95**
195945	Addaℛ	AD612MS-D71GL	12	60 x 60 x 15	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	**6.95**	**6.25**	**5.59**	**4.95**
2131979	Addaℛ	AD0612HB-D71GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	5"	**7.95**	**6.95**	**6.25**	**5.59**
2121308	Adda	AD0612HB-D70GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	11" w/ conn	**7.95**	**6.95**	**5.95**	**4.95**
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	**6.95**	**6.25**	**5.59**	**4.95**
1585400	Sunonℛ	KDE1206PHB1	12	60 x 60 x 15	21	Ball	150	1.8	UL/CSA/CE	37.5	11"	**10.95**	**9.95**	**8.95**	**7.95**
144161	Addaℛ	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	12"	**9.95**	**8.95**	**7.95**	**6.95**
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	**6.95**	**6.25**	**5.59**	**4.95**
189595	Sunon	KD1206PKS2	12	60 x 60 x 20	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	**3.95**	**3.49**	**2.95**	**2.49**
119635	Delta/Fonsan	DFD0612H	12	60 x 60 x 20	17.7	Ball	150	1.3	UL/CE/CSA/VDE	30	12"	**6.95**	**6.25**	**5.59**	**4.95**
2120073	Sunonℛ	KD1206PKB2(2)F.GN	12	60 x 60 x 20	19	Dual ball	88	1.1	UL/CUL/TUV	29	12" [1]	**6.95**	**6.25**	**5.59**	**4.95**
114682	Delta	AFB0612VHD	12	60 x 60 x 20	30	Ball	270	2.4	UL/CE/CSA/VDE	39.5	12"	**5.95**	**4.95**	**3.95**	**3.49**

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection (All fans operate to their specs with or without the additional optional wire functions) # Includes removable mounting clip † Blower

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

2099446

1810030

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DC Brushless Tubeaxial Fans & Blowers (Continued)

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1585477

1809995

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
2131987	Addaℛ	AD0612LX-A70GL-LF	12	60 x 60 x 25	13.2	Hypro	80	0.96	UL/CSA/TUV/CE	16	12"	$6.95	$6.25	$5.59	$4.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	4.95	3.95	3.49	4.29
2138695	Sunonℛ	KDE1206PTV2.13.MS.AF.GN	12	60 x 60 x 25	19.3	Vapo	70	0.8	UL/CSA/TUV	29	12"	9.95	8.95	7.95	6.95
2095197	Delta	DFB0612H	12	60 x 60 x 25	19.4	Ball	120	1.4	UL/CE/CSA/VDE	30	12"	6.95	6.25	5.59	4.95
102947	Jamicon	JF0625S1H	12	60 x 60 x 25	20.5	Sleeve	230	2.7	UL/CUL/TUV	33.6	12"	7.95	6.95	6.25	5.59
150422	Jamiconℛ	JF0625B1H	12	60 x 60 x 25	21.4	Ball	230	2.7	UL/CSA/TUV	30.5	10"	8.95	7.95	6.95	6.25
195911	Sunonℛ	KD1206PTS1AGN	12	60 x 60 x 25	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	8.95	7.95	6.95	6.25
2099526	Addaℛ	AD0612XB-A74GL	12	60 x 60 x 25	31.4	Ball	380	4.56	UL/CSA/TUV/CE	42.9	12"	7.95	6.95	5.95	4.95
2125561	AVC	DE07015R12U	12	70 x 70 x 15	43	Hydraulic	700	8.4	UL/CE/TUV	46	8" w/ conn.	6.95	5.95	4.95	3.95
2099446	Addaℛ	AD7512LB (2A)†	12	76 x 76 x 30	6.9	Ball	110	1.32	UL/CUL/TUV/CE	29	15" w/conn.[2]	6.95	5.95	4.95	3.95
132951	Shicoh	A0815-12HV	12	80 x 80 x 15	18.4	Ball/Sleeve	200	2.4	—	32	12"[1]	4.95	4.49	3.95	2.95
2099462	Addaℛ	AD0812LB-D70	12	80 x 80 x 15	20	Ball	120	1.44	UL/CSA/TUV/CE	19.6	6" w/conn	6.95	6.25	5.59	4.95
1708570	Sunonℛ	KD1208PHB1-AH	12	80 x 80 x 15	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	9.95	8.95	7.95	6.95
2132007	Addaℛ	AD0812HS-D70-LF	12	80 x 80 x 15	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	33	12"	9.95	8.95	7.95	6.95
2095365	Addaℛ	AD0812XX-D71	12	80 x 80 x 15	39.4	Hypro	350	4.2	UL/CSA/TUV/CE	42	11"	8.95	7.95	6.95	5.95
141921	Addaℛ	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	10.95	9.95	8.95	7.95
2081748	Sunonℛ	KDE1208PKV1.13.MS.A.GN	12	80 x 80 x 20	36	Vapo	130	1.6	UL/CUL/TUV/CE	38	12"	9.95	8.95	7.95	6.95
688597	NMB	3110GL-B4W-B19-PA1	12	80 x 80 x 25	30	Ball	70	1.2	UL/CSA/TUV/CE	22	12" w/ conn.[1]	5.95	5.35	4.79	4.29
2125544	Cool Master	A8025-25BB-3BN-PI	12	80 x 80 x 25	30.8	Dual Ball	150	1.8	UL/CSA/TUV/CE	30.6	12" w/ conn.[2]	4.95	3.95	2.95	2.49
2151099	Sunonℛ	KDE1208PTV3.13.MS.A.GN	12	80 x 80 x 25	31	Vapo	70	0.8	UL/CUL/TUV/CE	26	12"	9.95	8.95	7.95	6.95
123530	Addaℛ	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	7.95	6.95	6.25	5.59
2125552	Cool Master	BP802512M	12	80 x 80 x 25	33	Ball	160	1.92	UL/CE/UR	29	12" w/ conn.[2]	4.95	4.49	3.95	3.59
1955010	NMB	3110KL-04W-B40	12	80 x 80 x 25	35.3	Ball	200	2.40	UL/CSA/TUV/CE	31	13"	6.95	6.25	5.59	4.95
2125843	Vastechℛ	RDH8025B	12	80 x 80 x 25	35.7	Ball	170	2.0	UL/CSA/CE	33	11"	5.95	5.49	4.95	3.95
1810030	Sanyo Denki	109R0812H4011	12	80 x 80 x 25	36.4	Ball	130	1.56	UL/CSA/TUV	29	12"[1]	5.95	5.49	4.49	3.95
1537387	Sunonℛ	KD1208PTB213.(2).GN	12	80 x 80 x 25	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn.	6.95	6.25	5.95	4.95
2131995	Addaℛ	AD0812HS-A76GL-LF	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV	33	12"[1]	5.95	5.25	4.59	3.95
2135697	Panaflo	FBM-08A12H	12	80 x 80 x 25	39.6	Sleeve	220	2.1	UL/CSA	32	12" w/ conn.	6.95	6.25	5.59	4.95
662661	NMB-MATℛ	FBA08A12H1BS	12	80 x 80 x 25	39.6	Hypro	173	2.1	UL/CSA/TUV	32	12"[2]	5.95	5.35	4.79	4.29
2125835	Globe	B01138812H-3M	12	80 x 80 x 25	39.8	Ball	230	2.76	UL/CSA/TUV/CE	32.6	10" w/ conn.[1]	4.95	3.95	2.95	2.49
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.9	UL/CUL/TUV/CE	33	12"	5.95	5.35	4.79	4.49
1950569	Sunon	KD1208PTS1 H.M	12	80 x 80 x 25	40	Sleeve	160	2.6	UL/CE	33	12"[1]	4.95	3.95	3.49	2.95
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	80 x 80 x 25	41	Dual Ball	150	1.8	UL/CUL/TUV/CE	35	12"	6.95	6.25	5.95	5.59
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.95	6.95	6.25	5.59
355401	ValueProℛ	RDH80025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	12"	8.95	7.95	6.95	6.25
2081271	Sunon	KDE1208PTB1-6(OCM)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	12"[1]	4.95	4.49	3.95	3.49
102955	Sunon	KD1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	3.5"	4.95	4.49	3.95	3.49
249148	Sunon	KDE1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV/CE	36.5	7"	5.95	4.95	3.95	3.49
2120225	Y.S. Tech	FD128025HS	12	80 x 80 x 25	43.7	Sleeve	230	2.76	UL/CSA/TUV	33.5	13"	3.95	3.59	3.29	2.95
2100401	Adda	AD0812UB-A72GL	12	80 x 80 x 25	43.8	Ball	300	3.6	UL/CUL/TUV/CE	40	11"[2]	5.95	4.95	3.95	2.95
1918729	Jamiconℛ	JF0825S1SR	12	80 x 80 x 25	45.5	Sleeve	260	3.12	UL/CUL/TUV/CE	35.8	12" w/ conn.	7.95	6.95	6.25	5.59
1809995	Sunon	KDE1208PTBX-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	11.95	10.95	9.95	8.95
2081078	Jamiconℛ	JF0825B1UR	12	80 x 80 x 25	52	Dual Ball	370	4.4	UL/CUL/TUV/CE	40	12"	11.95	10.95	9.95	8.95
2081692	Y.S. Tech	NFD128125BB-2F	12	80 x 80 x 25	59.2	Dual Ball	450	5.4	UL/CUL/TUV	44	20" w/ conn.[3]	12.95	11.49	10.49	9.49
2151081	Sunonℛ	PMD1208PTB1-A(2).GN	12	80 x 80 x 25	60	Dual Ball	400	4.8	UL/CUL/TUV/CE	47	12"	10.95	9.95	8.95	7.95
107406	EBM Papst	8312GHL	12	80 x 80 x 32	39.4	Sleeve	330	4.0	UL/CE/CSA/VDE	43	12"	8.95	7.95	6.95	5.95
1928089	Adda	AD0912LS-A70GL	12	92 x 92 x 25	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	3.95	3.59	3.29	2.95
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn.[3]	5.95	4.95	3.95	3.49
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5"[1]	4.95	3.95	3.49	2.95
1928097	Adda	AD0912LX-A70GL	12	92 x 92 x 25	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	6.95	5.95	4.95	3.95
2132015	Addaℛ	AD0912MB-A71GL-LF	12	92 x 92 x 25	43.5	Ball	170	2.04	UL/CSA/TUV/CE	31	12"	6.95	5.95	4.95	4.49
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn.[4]	6.95	5.95	4.95	4.49
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [3] 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard

[4] Temperature sensor (All fans operate to their specs with or without the additional optional wire functions) † Blower

Fans continued on next page

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DC Brushless Tubeaxial Fans & Blowers (Continued)

★12V Web Code: LBZ

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1537467

1951051

Fans

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1952935	Sunon	KD1209PTB2-6	12	92 x 92 x 25	48	Dual Ball	500	2.1	UL/CSA/TUV/CE	32	25" w/ conn.[4]	$7.95	$6.95	$6.25	$5.59
2115565	Sunonℛ	KD1209PTS1.13.GN	12	92 x 92 x 25	49	Sleeve	160	1.9	UL/CUL/TUV/CE	34	11"	5.95	5.39	4.95	4.49
2138759	Sunonℛ	KD1209PTV1.13.MS.A.GN	12	92 x 92 x 25	49	Vapo	160	1.8	UL/CUL/CE	34	12"	9.95	8.95	7.95	6.95
207061	AVC	C9025S12H	12	92 x 92 x 25	52	Sleeve	160	3.8	UL/CUL/TUV/CE	34	6" w/ conn.[1]	7.95	6.95	5.95	4.95
1952767	NMB	3610KL-04W-B56PS9	12	92 x 92 x 25	54.7	Ball	315	3.8	UL/CSA/TUV/CE	41	7" w/ conn.[5]	6.95	5.95	4.95	3.95
1952951	NMB	3610KL-04W-B56PS6	12	92 x 92 x 25	55	Ball	315	3.8	UL/CSA/TUV/CE	41	9" w/ conn.[2]	7.95	6.95	5.95	4.95
102963	Nidec	TA350DC-M33503-55	12	92 x 92 x 25	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95
2138994	Addaℛ	AD0912UB-A71GL	12	92 x 92 x 25	60	Ball	390	4.68	UL/TUV/CE	39.4	50"	8.95	7.95	6.95	5.95
2081641	Delta	BFB1012H†	12	97 x 94 x 33	25.4	Dual Ball	800	9.6	UL/CSA/VDE/CE	52	11"[1]	10.95	9.95	8.95	7.95
174140	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	9.95	8.95	7.95	6.95
689231	Sunon	KDE1212PTS3-6A	12	120 x 120 x 25	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.59
227901	Common Wealthℛ	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	13.95	12.49	10.95	9.95
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	7.95	6.95	6.25	5.59
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	9.95	8.95	7.95	6.95
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	2" w/ conn.	6.95	5.95	4.95	3.95
2081705	ValuePro	1225H12B-PF1	12	120 x 120 x 25	119	Ball	800	9.6	UL/CUL/TUV/CE	47.5	21" w/ conn.[1]	11.95	10.95	9.95	8.95
2082097	Delta	BFB1212VH†	12	120 x 120 x 32	40	Ball	1250	15	UL/CSA/VDE/CE	57	13"	11.95	10.95	9.95	8.95
2082151	Comair Rotron	MC12B3QDN	12	120 x 120 x 32	102	Ball	660	7.9	UL/CSA/CE	47.8	12"[2]	9.95	8.95	7.95	6.95
868109	Comair Rotronℛ	MC12B7	12	120 x 120 x 32	102	Ball	660	7.9	UL/CUL/TUV/CE	47.9	12"	10.95	9.95	8.95	7.95
1585389	ValuePro	CNDC12B4C-016	12	120 x 120 x 38	99	Ball	380	4.6	UL/CSA/TUV	40	12"	6.95	5.95	5.39	4.95
94626	Sunonℛ	KD1212PMB1-6A.GN	12	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	10.95	9.95	8.95	7.95
1954703	Mechatronics	F1238H12B2-FS	12	120 x 120 x 38	112	Ball	440	5.3	UL/TUV	41	10" w/ conn.[2]	8.95	7.95	6.25	5.59
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn.[2]	7.95	6.95	6.25	5.59
1955028	NMB	4715KL-04W-B49	12	120 x 120 x 38	118	Ball	700	8.4	UL/CSA/TUV/CE	46	12" w/ conn.[1]	8.95	7.95	6.95	5.95
2125860	Comair Rotronℛ	MS12K3	12	120 x 120 x 38	127	Ball	920	11	UL/TUV/CE	53.4	12"	10.95	9.95	8.95	7.95
2120313	Comair Rotronℛ	GDA1238-12BB	12	120 x 120 x 38	128	Ball	600	7.2	UL/TUV/CE	43.5	8"[1]	10.95	9.95	8.95	7.95
2099972	Delta	AFB1212SHE-4F1A	12	120 x 120 x 38	152	Ball	750	9.0	UL/CSA/VDE/CE	55.5	48" w/ conn.[6]	7.95	6.95	5.95	4.95
1537467	Comair Rotron	JQ12B7X	12	172 x 150 x 51	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12"[2]	14.95	13.49	11.95	10.95
1928281	Addaℛ	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	7" w/ conn.	10.95	9.95	8.95	7.95
100910	Sunonℛ	KDE2404PKV2	24	40 x 40 x 20	7.7	Vapo	33	0.8	UL/CUL/TUV	21	12"	9.95	8.95	7.95	6.95
2100398	Addaℛ	AD0424MB-C50LF	24	40 x 40 x 20	8.5	Ball	70	1.68	UL/CUL/TUV/CE	28.5	12"	8.95	7.95	6.95	5.95
1951502	Adda	AD0424HB-C56	24	40 x 40 x 20	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12"[1]	8.95	7.95	6.95	6.25
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	7.95	6.95	6.25	5.59
687818	Sunon	KDE2406PHB2	24	60 x 60 x 15	18	Ball	56	1.3	UL/CUL/TUV/CE	31	11"	10.95	9.95	8.95	7.95
212652	Delta/Fonsan	DFD0624H	24	60 x 60 x 20	17.7	Ball	100	2.4	UL/CE/CSA/TUV	30	12"	5.95	4.95	4.49	3.95
140661	NMB	2408NL-05W-B60	24	60 x 60 x 20	18.4	Ball	100	2.4	UL/CSA/TUV/CE	31	2" w/ conn.	4.95	4.49	3.95	3.59
1951191	Sunonℛ	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	5.95	5.39	4.79	4.25
1954922	NMB	2410ML-05W-B10	24	60 x 60 x 25	14	Ball	60	1.44	UL/CSA/TUV/CE	23	13"	6.95	6.25	5.59	4.95
189861	Jamiconℛ	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	7.95	6.95	6.25
1952177	Japan Servo	TUDC24Z4P-029	24	60 x 60 x 25	19	Ball	80	1.8	UL/CSA/TUV	32	12"[2]	6.95	6.25	5.59	5.29
212628	Adda	AD0624HS-A70GL	24	60 x 60 x 25	23.2	Sleeve	150	3.6	UL/CSA/TUV/CE	32.3	17" w/ conn.	5.95	5.39	4.79	4.29
1928337	Adda	AD624HX-A70GL	24	60 x 60 x 25	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	6.95	6.25	5.59	4.95
2081799	Nidec	TA225DC-M33516-16	24	60 x 60 x 25	25	Ball	180	4.3	UL/CSA	37	12"	6.95	5.95	4.95	4.49
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	25	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	8.95	7.95	6.95	6.25
1809848	Sunon	PMD2406PTB1-A	24	60 x 60 x 25	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	9.95	8.95	7.95	6.95
2132066	Addaℛ	AD7524LB-LF†	24	75 x 75 x 30	6.9	Ball	80	1.92	UL/CUL/TUV/CE	29	12"	8.95	7.95	6.95	5.95
1928345	Adda	AD0824HX-D71L	24	80 x 80 x 15	29	Hypro	130	3.12	UL/CUL/TUV/CE	33.5	12"	6.95	6.25	5.59	4.95
2138687	Cooltronℛ	FD8025B24W3-68-2NU	24	80 x 80 x 25	18.8	Dual Ball	40	1.0	UL/CUL/TUV	15.1	6" w/ conn.	9.95	8.95	7.95	6.95
290029	Jamiconℛ	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	9.95	8.95	7.95	6.95
136161	Jamiconℛ	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.95	8.95	7.95	6.95
1809952	Sunonℛ	KD2408PTB1-13(2)AGN	24	80 x 80 x 25	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	9.95	8.95	7.95	6.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12"[2]	8.95	7.95	6.95	6.25
2126256	Jamiconℛ	JF0825B2UR	24	80 x 80 x 25	52	Dual Ball	210	5.0	UL/CUL/TUV/CE	40	12"	9.95	8.95	7.95	6.25
2126264	Jamiconℛ	JF0825B2TR	24	80 x 80 x 25	58	Dual Ball	270	6.48	UL/CUL/TUV/CE	42	12"	11.95	10.95	9.95	8.95
1580422	EBM Pabstℛ	8314/12	24	80 x 80 x 32	31.8	Ball	245	2.5	UL/CUL/CSA/VDE	36	11" w/ conn.[1]	8.95	7.95	6.95	6.25
2121341	Addaℛ	AD0824UB-Y53LF	24	80 x 80 x 32	55.3	Ball	180	4.32	UL/CSA/CE	43.8	12"[1]	9.95	8.95	7.95	6.95
206965	Sunon	PMD2408PMB2-A	24	80 x 80 x 38	74.5	Ball	300	7.2	UL/CUL/CSA/VDE	52	12"	14.95	13.49	11.95	10.95
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12"[1]	6.95	6.25	5.59	4.95
1708502	Sunon	KDE2409PTS3-6	24	92 x 92 x 25	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	6.95	6.25	5.59	4.95

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [4] Temperature sensor [5] 5 leads; locked rotor with 2 separate ground if needed [6] 4 leads; all black tach/speed w/ connector

(All fans operate to their specs with or without the additional optional wire functions) † Blower

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

DC Brushless Tubeaxial Fans, Blowers, Power Cords, Guards & Filters

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212661

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DC Brushless Tubeaxial Fans & Blowers (Continued)

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1952960

1952775

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
695042	Sunonℛ	KD2409PTB1-13AGN	24	92 x 92 x 25	49	Ball	75	1.8	UL/CE/TUV	35	12"	**$12.95**	**$11.95**	**$10.95**	**$9.95**
1928329	Adda	AD0924HX-A70GL	24	92 x 92 x 25	50	Hypro	150	3.6	UL/CUL/TUV/CE	33.7	12"	**8.95**	**7.95**	**6.95**	**5.95**
1928302	Adda	AD0924US-A71GL	24	92 x 92 x 25	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	**8.95**	**7.95**	**6.95**	**5.95**
104890	EBM Pabstℛ	3314/12	24	92 x 92 x 32	47.1	Ball	140	3.4	UL/CE/TUV	37	12" [1]	**10.95**	**9.95**	**8.95**	**7.95**
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/VDE/CE	47	12"	**11.95**	**10.49**	**8.95**	**7.95**
2115557	Sunonℛ	KD2412PTB3-6A.GN	24	120 x 120 x 25	69	Ball	120	2.9	UL/CUL/TUV/CE	35.5	12"	**9.95**	**8.95**	**7.95**	**6.95**
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	**10.95**	**9.95**	**8.95**	**7.95**
153411	Sunon	KD2412PMB2-6A	24	120 x 120 x 38	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	**19.95**	**18.95**	**17.49**	**15.95**
694444	Jamiconℛ	JF1238S2MR-R	24	120 x 120 x 38	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9"	**9.95**	**8.95**	**7.95**	**6.95**
694524	Jamiconℛ	JF1238B2MR-R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9"	**13.95**	**12.49**	**10.95**	**9.95**
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	**8.95**	**7.95**	**6.95**	**5.95**
2138986	Deltaℛ	FFB1224EHE-F00	24	120 x 120 x 38	190	Ball	1000	24	UL/CSA/VDE/CE	59	12" w/ conn.	**17.95**	**15.95**	**14.49**	**12.95**
297959	Delta	BFB1224HE†	24	125 x 126 x 34	27.2	Ball	340	8.1	UL/CE/CSA/TUV	50.5	12"	**10.95**	**9.49**	**7.95**	**6.95**
212662	EBM Pabst	6424/8-139	24	172 x 150 x 51	241	Ball	750	18	UL/CUL/TUV	57	24" [4]	**14.95**	**13.49**	**11.95**	**9.95**
212661	EBM Pabst	6224N/8HT	24	172 Round x 51	241.3	Ball	750	18	UL/CE/CSA/VDE	55	12" [4]	**14.95**	**13.49**	**11.95**	**9.95**
212644	Delta	AFB0948L	48	92 x 92 x 25	37	Ball	50	2.44	UL/CSA/TUV/CE	25	12"	**10.95**	**9.49**	**8.95**	**7.95**
2135371	Addaℛ	AD0948MB-F91DS(M)	48	92 x 92 x 38	93.5	Dual ball	130	6.24	UL/CE	48.5	12"	**17.95**	**15.95**	**14.95**	**13.49**
212653	Deltaℛ	BFB1248HH†	48	120 x 120 x 32	35.3	Ball	220	10.5	UL/CSA/CE/VDE	54	12"	**10.95**	**9.95**	**8.95**	**7.95**
1952960	Comair Rotron	MC48B6QDNX	48	120 x 120 x 32	102	Ball	180	8.4	UL/CSA/TUV/CE	48	11" w/ conn.[1]	**10.95**	**9.49**	**8.95**	**7.95**
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" [3]	**10.95**	**9.49**	**8.95**	**7.95**
2132023	Addaℛ	AD1248HB-F51-LF	48	120 x 120 x 38	105	Ball	200	9.6	UL/CUL/TUV/CE	42.8	12"	**14.95**	**13.49**	**11.95**	**10.95**
689063	EBM Pabst	W2G115-AG75-85	48	127 x 127 x 38	155	Ball	310	15	UL/CUL	52	10" [1]	**12.95**	**11.49**	**9.95**	**8.95**
1954711	Delta	EFB1348HHE-SV06	48	127 x 127 x 38	185	Ball	360	17.28	UL/CSA/VDE/CE	55.5	26" [1]	**13.95**	**12.49**	**10.95**	**9.49**

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [3] 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard

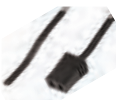
[4] 5 leads; locked rotor with 2 separate ground if needed (All fans operate to their specs with or without the additional optional wire functions) † Blower

Fans

DC & AC Plug Fan Power Cords

★Web Code: GAE

For Fans w/ Terminal Connection


Pigtail Fan Cord (A)

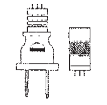

AC Plug Fan Cord (B)

Fig. 1 Straight

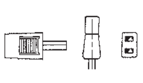


Fig. 2 45˚

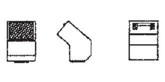
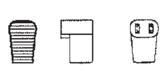


Fig. 3 90˚



Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight pigtail fan cord	1A	24"	**$1.49**	**$1.25**	**$.99**	**$.89**
2076658	Straight pigtail fan cord	1A	36"	**1.25**	**.99**	**.79**	**.69**
1952548	45˚ pigtail fan cordℛ	2A	24"	**1.19**	**1.09**	**.99**	**.89**
104192	90˚ pigtail fan cordℛ	3A	24"	**1.25**	**1.19**	**1.09**	**.99**
1952572	Straight AC plug fan cordℛ	1B	72"	**2.75**	**2.49**	**2.25**	**1.95**
2117245	45˚ AC plug fan cordℛ*	2B	24"	**7.95**	**6.95**	**6.49**	**5.95**
1952581	45˚ AC plug fan cordℛ	2B	72"	**2.75**	**2.55**	**2.25**	**1.95**

*Green cord, thermostatic controlled

Fan Guards & Aluminum Washable Filters

★Web Code: UAR

- Guards and filters fit all fans. Please match by size dimension. Example: P/N 300557 fan (80mm) matches P/N 31924 metal guard (80mm).

Fig. 1

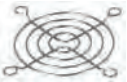
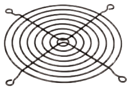


Fig. 2



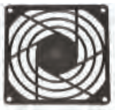


Fig. 3

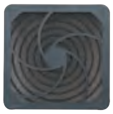


Fig. 4

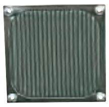


Fig. 5

Part No.	mm	Description	Fig.	1	10	50	100
123502	40	Metal (chrome) guardℛ	1	**$.59**	**$.55**	**$.49**	**$.45**
120038	60	Metal (chrome) guardℛ	1	**.65**	**.59**	**.55**	**.49**
687666	60	Metal (black anodized) guardℛ	2	**.85**	**.79**	**.75**	**.69**
31924	80	Metal (chrome) guardℛ	1	**.69**	**.65**	**.59**	**.55**
1928433	80	Metal (black anodized) guard	2	**.79**	**.69**	**.65**	**.59**
123511	92	Metal (chrome) guardℛ	1	**.75**	**.69**	**.65**	**.59**
2135689	92	Metal (black anodized) guardℛ	2	**.79**	**.75**	**.69**	**.65**
25735	120	Metal (chrome) guardℛ	1	**.79**	**.75**	**.69**	**.65**
695068	120	Metal (black anodized) guardℛ	2	**1.09**	**.99**	**.89**	**.79**
695076	127	Metal (chrome) guard	1	**.49**	**.45**	**.39**	**.35**
1952652	60	Plastic guard only	3	**.59**	**.55**	**.49**	**.45**
1952290	80	Plastic guard only	3	**.55**	**.49**	**.45**	**.39**

Part No.	mm	Description	Fig.	1	10	50	100
1952661	92	Plastic guard only	3	**$.59**	**$.55**	**$.49**	**$.45**
1952679	120	Plastic guard onlyℛ	3	**.89**	**.79**	**.69**	**.65**
1952687	150	Plastic guard only	3	**.79**	**.69**	**.59**	**.55**
1952695	40	Plastic guard w/ mesh	4	**1.19**	**1.09**	**.99**	**.89**
1952708	60	Plastic guard w/ meshℛ	4	**1.65**	**1.49**	**1.39**	**1.29**
138562	80	Plastic guard w/ meshℛ	4	**1.65**	**1.49**	**1.39**	**1.29**
229665	92	Plastic guard w/ meshℛ	4	**1.75**	**1.65**	**1.39**	**1.25**
196817	120	Plastic guard w/ meshℛ	4	**2.19**	**2.09**	**1.95**	**1.79**
1952716	172	Plastic guard w/ mesh	4	**2.09**	**1.95**	**1.75**	**1.59**
1952724	60	Alum. washable filter	5	**2.09**	**1.95**	**1.75**	**1.59**
138580	80	Alum. washable filterℛ	5	**1.95**	**1.85**	**1.69**	**1.45**
1952732	92	Alum. washable filter	5	**2.09**	**1.95**	**1.75**	**1.59**
130105	120	Alum. washable filterℛ	5	**2.95**	**2.75**	**2.49**	**2.25**

212600

206309

115 & 220VAC Tubeaxial Fans

★ Web Code: ABJ

275793

209365

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

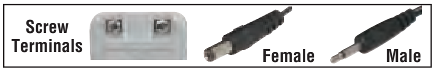
Part No.	Manufacturer	Mfr. Part No.	Voltage (VAC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing 1	10	50	100
213867	Fulltech ℛ	UF60D11BWH	115	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	**$17.95**	**$16.49**	**$15.95**	**$14.49**
2100267	Pelonis	PM8025HA1S	115	80 x 80 x 25	18.8	Sleeve	110	13.2	UL/CUL/CE	26.7	Terminals	**12.95**	**11.49**	**9.95**	**8.95**
146078	Common Wealth ℛ	FP108AX-S1-B (115)	115	80 x 80 x 25	23	Ball	180	14	UL/CE	29	12" leads	**15.95**	**14.49**	**12.95**	**11.95**
300557	Fulltech ℛ	UF80B11SWH	115	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	**12.95**	**11.49**	**9.95**	**8.95**
300258	Fulltech ℛ	UF80B11BTH	115	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	**14.95**	**13.95**	**12.49**	**10.95**
300582	Fulltech ℛ	UF80A11SWL	115	80 x 80 x 38	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	**11.95**	**10.49**	**9.95**	**8.95**
300303	Fulltech ℛ	UF80A11BWL	115	80 x 80 x 38	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	**13.95**	**12.95**	**11.49**	**10.95**
300600	Fulltech ℛ	UF80A11BWH	115	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	**15.95**	**14.49**	**12.95**	**11.49**
2131848	Adda ℛ	AA8381HB-AT-LF	115	80 x 80 x 38	29.6	Ball	100	8.9	UL/CSA/TUV/CE	31	Terminals	**11.95**	**10.49**	**9.95**	**8.95**
2131856	Adda ℛ	AA8381HS-AW-LF	115	80 x 80 x 38	30	Sleeve	100	8.9	UL/CSA/TUV/CE	31	12" leads	**11.95**	**10.49**	**9.95**	**8.95**
300389	Fulltech ℛ	UF80A11BTH	115	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	**15.95**	**14.49**	**12.95**	**11.49**
303467	Sunon ℛ	SF11592A-1092HBL.GN	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	**12.95**	**11.49**	**10.95**	**9.95**
75460	Sunon ℛ	SF11592A-1092HBT-R	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	**14.95**	**13.95**	**12.95**	**11.95**
2131830	Adda ℛ	AA1251MB-AT-LF	115	120 x 120 x 25	69.4	Ball	190	19.6	UL/CSA/TUV/CE	38.7	Terminals	**8.95**	**7.95**	**6.95**	**5.95**
1819376	NMB ℛ	4710PS12TB30A00	115	120 x 120 x 25	70.6	Ball	190	11	UL/CSA/VDE/CE	38	Terminals	**10.95**	**9.95**	**8.95**	**7.95**
1810048	Sunon ℛ	SP101AT-1122HBL.GN	115	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	**16.95**	**14.95**	**13.49**	**11.95**
124063	Sunon ℛ	SP101AT-1122HBT	115	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	**16.95**	**14.95**	**13.49**	**11.95**
303361	Fulltech ℛ	UF12A11BTL1	115	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	**14.95**	**13.49**	**11.95**	**10.95**
2126070	Adda ℛ	AA1281LS-AT-LF	115	120 x 120 x 38	75.6	Sleeve	140	9.2	UL/CUL/TUV/CE	40	Terminals	**10.95**	**9.49**	**7.95**	**6.95**
1585371	Sunon	SP103A-1123LBL	115	120 x 120 x 38	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	**11.95**	**10.95**	**9.95**	**8.95**
300792	Fulltech ℛ	UF12A11STL	115	120 x 120 x 38	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	**12.95**	**11.49**	**10.49**	**9.49**
303483	Fulltech ℛ	UF12A11SWL	115	120 x 120 x 38	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	**12.95**	**11.49**	**10.49**	**9.49**
2100427	Adda ℛ	AA1281HS-AT-LF	115	120 x 120 x 38	83	Sleeve	250	16.3	UL/CSA/TUV/CE	42.2	Terminals	**5.95**	**4.95**	**3.95**	**3.49**
106586	Common Wealth ℛ	FP108-1-S1/T	115	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	**13.95**	**12.49**	**10.95**	**9.95**
16935	Common Wealth ℛ	FP108-1-S1-B/T	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	**15.95**	**14.49**	**12.95**	**11.49**
212600	Fulltech ℛ	UF12A11BWH	115	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	**15.95**	**14.49**	**12.95**	**11.49**
1707163	Sunon ℛ	SP101A-1123HBL-GN	115	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	**15.95**	**14.49**	**12.95**	**11.49**
206309	Adda ℛ	AA1281UB-AT	115	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	**14.95**	**13.49**	**10.95**	**9.95**
275793	Sunon ℛ	SP101A-1123HBT	115	120 x 120 x 38	107	Ball	180	18	UL/CUL/CE	50	Terminals	**16.95**	**14.95**	**13.49**	**11.95**
2125931	Common Wealth ℛ	FP108-1	115	120 x 120 x 38	112	Ball	250	19	UL/CUL/TUV/CE	45	Terminals	**11.95**	**10.95**	**9.95**	**8.95**
303408	Sunon ℛ	SP100A-1123XBL	115	120 x 120 x 38	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	**17.95**	**15.95**	**14.49**	**12.95**
102884	Sunon ℛ	SP100A-1123XBT	115	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	**17.95**	**15.95**	**14.49**	**12.95**
2129588	Common Wealth ℛ	FP108-1	115	120 x 120 x 38	120	Ball	250	19	UL/CSA/CE	45	Terminals	**17.95**	**15.95**	**14.49**	**12.95**
2099454	Adda ℛ	AA1751MB-AW	115	172 x 150 x 51	186	Ball	350	29.8	UL/CUL/TUV/CE	50.5	12" leads	**29.95**	**26.95**	**23.95**	**21.49**
189684	Fulltech ℛ	UF15PC12BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	**36.95**	**34.95**	**32.95**	**29.95**
212582	Fulltech ℛ	UF15PC11BWH	115	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	**36.95**	**34.95**	**32.95**	**29.95**
1950956	Arctic	KEST-481BW	115	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	**34.95**	**32.95**	**29.95**	**26.95**
1810128	Common Wealth	FP-108AX-S1-B (220)	220	80 x 80 x 25	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	**12.95**	**11.49**	**10.95**	**9.95**
2099471	Adda ℛ	AA8382MX-AT	220	80 x 80 x 38	24	Hypro	50	6.8	UL/CUL/TUV/CE	25.3	Terminals	**9.95**	**8.95**	**7.95**	**6.95**
100918	Sunon ℛ	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	**17.95**	**15.95**	**14.49**	**12.95**
355630	Fulltech ℛ	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	**16.95**	**14.95**	**13.49**	**11.95**
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	**9.95**	**8.95**	**7.95**	**6.95**
302244	Comair Rotron ℛ	28023	220	120 x 120 x 38	88	Ball	130	28.6	UL/CSA	50.7	Terminals	**7.95**	**6.95**	**6.25**	**5.95**
1918753	Jamicon	KA1238H2B01	220	120 x 120 x 38	89	Dual Ball	200	23	UL/CUL/TUV/CE	42	Terminals	**10.95**	**9.95**	**8.95**	**7.95**
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	**10.95**	**9.49**	**8.95**	**7.95**
303459	Sunon ℛ	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	**15.95**	**14.95**	**13.95**	**12.95**
102892	Sunon ℛ	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	**17.95**	**15.95**	**14.49**	**12.95**
2151072	Sunon ℛ	SF1212ADBL.GN*	115/220	120 x 120 x 38	95/115	Ball	270	21.5	UL/CUL/CE	47	12" leads	**12.95**	**11.95**	**10.95**	**9.95**
2145043	Adda ℛ	AX17512HB-C(AT)	220	172 x 150 x 51	240	Ball	160	34.5	UL/TUV/CE	56	Terminals	**39.95**	**35.95**	**32.95**	**29.95**

*4 wire leads, dual voltage

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

AC-to-AC & AC-to-DC Regulated Switching Wall Adapters

JAMECO ReliaPro



AC-to-AC Wall Adapters

Input: 120VAC @ 60Hz

★ Web Code: ABQ

One-Year Warranty

176604

185439

206439

We specialize in Wall Adapters – Call for additional OEM PRICING.
We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 112) for just $2.50 each. A 100 pc. minimum order applies.

Part No.	Manufacturer	Product No.	Output Rating Voltage (VAC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
2082521	ReliaPro	5-2634	5	400	2.1mm x 5.5mm right angle **F**	2.0 x 1.4 x 1.3	White	6'	0.4	UL/CSA	$3.59	$3.25	$2.95	$2.49
2082530	ReliaPro	5-2633	5	400	2.1mm x 5.5mm right angle **F**	2.0 x 1.4 x 1.3	Black	6'	0.4	UL/CSA	3.59	3.25	2.95	2.49
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	8.95	7.95	6.95	5.29
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm **F**	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
1950921	ReliaPro	AM-9700ALF	9	700	Screw terminals	2.8 x 2.0 x 1.7	White	—	0.6	UL	3.95	3.49	2.95	1.95
236814	ReliaPro	ACU090080	9	800	3.5mm **M**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	5.95
1581281	ReliaPro	AA-091A	9	1000	2.1mm x 5.5mm **F**	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
102234	ReliaPro	ACU090100Z8182	9	1000	2.1mm x 5.5mm **F**	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95
1586154	OEM	AA091A	9	1000	2.5mm x 5.5mm **F**	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.25	5.59
157041	ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm **F**	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.95	8.95	7.95
688634	ReliaPro	PP-1012-A	10	1200	2.5mm x 5.5mm **F**	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	5.95	4.95	4.49	3.95
2076543	Radio Shack	15-1963	12	400	2.1mm x 5.5mm **F**	2.6 x 1.7 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.49	3.95
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.95	6.95	5.95	5.49
2076666	ReliaPro	48A12-500Q	12	500	2.5mm x 5.5mm right angle **F**	3.3 x 2.6 x 2.0	Black	6'	1.0	CSA	4.95	4.49	3.95	3.59
10081	ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm **F**	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	7.29
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm **F**	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	7.29
10428	ReliaPro	ACU120100Z9121	12	1000	3.5mm **M**	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	7.29
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	11.95	10.95	9.95	8.95
307838	ReliaPro	ADU120160H4120	12	1600	2.5mm x 5.5mm **F**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.95	11.95	10.95	9.95
206404	MGElectronics	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	9.95	8.95	7.95	7.29
2138978	ReliaPro	JOD-48U-12A	13.5	1000	1.3mm x 3.5mm **F**	2.8 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	11.95	10.95	9.95	8.95
2082564	ReliaPro	GPU1355000	13.5	5000	2.1mm x 5.5mm **F (Table-Top style)**	4.7 x 3.2 x 2.5	Black	6'	2.4	—	16.95	15.49	12.95	11.49
171408	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	10.95	9.95	8.95	7.95
318684	Horizon	ACU140085	14	850	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	10.95	9.95	8.95
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	11.95	10.95	9.95	8.95
163053	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm **F**	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	11.95	10.95	9.95	8.95
176604	ReliaPro	BHU160400	16	4000	2.1mm x 5.5mm **F (Table-Top style)**	4.4 x 3.1 x 2.5	Black	6'/6'	2.8	—	17.95	15.95	13.95	11.95
2082142	Ault	308-2018	18	900	Screw terminals	1.9 x 2.2 x 2.0	Beige	—	0.7	UL	5.95	4.95	3.49	2.95
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm **F**	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	11.95	10.95	9.95	8.95
185439	ReliaPro	AFU180185	18	1850	2.1mm x 5.5mm right angle **F**	3.3 x 2.7 x 2.2	Black	6'	1.7	—	9.95	8.95	7.95	6.95
2076631	Ault	T57-182200	18	2200	2.1mm x 5.5mm **F**	3.2 x 2.6 x 2.2	Black	5'6"	1.2	UL/CSA	8.95	7.95	6.95	5.95
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95
206439	MGElectronics	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	10.95	9.95	8.95	7.95
140599	ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm **F**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	11.95	10.95	9.95	8.95
10102	ReliaPro	ADU240100E0461	24	1000	3.5mm **M**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	11.95	10.95	9.95	8.95
2100195	ReliaPro	GPU572401500WA00	24	1500	2.1mm x 5.5mm **F**	3.3 x 2.6 x 2.3	Black	6'	1.7	UL/CUL	14.95	13.49	11.95	10.95

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Output connector: 2.1mm x 5.5mm F2 (center positive)

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- 2-wire AC input
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- Input voltage: 100 – 240VAC @ 47-63Hz
- Color: black
- One-year warranty

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Non-CEC P/N	CEC Part No.	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
—	251565 🍃	3.3	1500	2.5x1.1x1.7	0.2	$11.95	$10.95	$9.95	$8.95
—	251600 🍃	3.3	2500	2.9x1.1x1.7	0.3	12.95	11.95	10.95	9.95
—	252701 🍃	5	500	2.9x1.1x1.7	0.3	10.95	9.95	8.95	7.95
—	252720 🍃	5	1000	2.5x1.1x1.7	0.2	12.95	11.49	9.95	8.95
—	252728 🍃	5	1500	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
—	252736 🍃	5	2500	2.9x1.3x2.2	0.3	14.95	13.49	11.95	10.49
2082222ℛ	—	5	3000	2.9x1.3x2.2	0.3	11.95	10.49	8.95	7.49
—	252753 🍃	9	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
—	1950841 🍃	9	1000	2.5x1.1x1.7	0.2	13.95	12.49	10.95	9.95
—	252779 🍃	9	1200	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95
—	252786 🍃	9	1500	2.9x1.3x2.2	0.3	15.95	14.49	12.95	11.49

Non-CEC P/N	CEC Part No.	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
—	252795 🍃	12	250	2.5x1.1x1.7	0.2	$8.95	$7.95	$6.95	$6.25
—	252808 🍃	12	500	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
—	252816 🍃	12	600	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
—	252824 🍃	12	1000	2.9x1.3x2.2	0.3	12.95	11.49	9.95	8.95
—	252833 🍃	12	1250	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
—	254757 🍃	15	800	2.9x1.3x2.2	0.2	12.95	11.49	10.49	9.49
—	252904 🍃	15	1000	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
—	252858 🍃	24	250	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
—	252866 🍃	24	500	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95
—	2076341 🍃	24	630	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95

✓ CEC equivalent available 🍃 CEC

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Polarity 2 ⊖—C—⊕ **(center positive)**
Female(F) Male(M)

Female Straight

Female Right Angle

Screw Terminals

2135451

			Output Rating		Output Connector				Output			Pricing			
Part No.	**Manufacturer**	**Product No.**	**Volt. (VDC)**	**Current (mA)**	**ID x OD mm Female/Male; Polarity ◆**	**Input VAC @ Hz**	**Size (H" x W" x D")**	**Case Color**	**Cord Length**	**Wt. (lbs.)**	**Agency Approvals**	**1**	**10**	**50**	**100**
2126125	OEM 🍃	ADS0051-W050080*	5	800	2.1mm x 5.5mm F **2**	100-240@50-60	1.9 x 1.6 x 0.9	Black	6'	0.1	UL/CUL/CE/CEC	**$7.95**	**$6.95**	**$6.25**	**$5.95**
2135531	ReliaProℛ	LD-008*	5	1000	2.1mm x 5.5mm F **2**	100-240@50-60	2.3 x 1.6 x 0.9	Black	4'	0.2	CE	**8.95**	**7.95**	**6.95**	**6.49**
1940660	Mean Wellℛ 🍃	GS06U1P1J*	5	1000	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	**10.95**	**9.95**	**8.95**	**8.49**
1950981	Philips	AY3192/17	5	2000	1.7mm x 4.0mm F **2**	100-240@50-60	3.1 x 1.4 x 1.3	Black	6'	0.3	UL/CUL	**10.95**	**9.95**	**8.95**	**7.95**
157340	D-Link	AF1205B	5	2000	2.1mm x 5.5mm right angle F **2**	100-120@50-60	2.4 x 1.4 x 1.1	Black	6'	0.3	UL/CUL/TUV	**8.95**	**7.95**	**6.95**	**5.49**
210894	ReliaProℛ	SYS1193-1005*	5	2000	2.1mm x 5.5mm F **2**	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	**11.95**	**10.95**	**9.95**	**8.95**
1940740	Mean Wellℛ 🍃	GS12U05P1I	5	2000	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL/CEC	**13.95**	**12.95**	**11.95**	**10.95**
2129641	ELPACℛ	WM1005-760**	5	2000	2.5mm x 5.5mm F **2**	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	**10.95**	**9.95**	**8.95**	**7.95**
2138741	ReliaProℛ	CP0520	5	2000	2.5mm x 5.5mm F **1**	100-240@47-63	3.0 x 1.1 x 1.6	Black	6'	0.4	UL/CUL/TUV	**12.95**	**11.95**	**10.95**	**9.95**
2135419	DVEℛ	DSA-0151A-05A	5	2400	2.1mm x 5.5mm F **2**	100-120@50-60	3.0 x 2.0 x 1.3	Black	6'	0.3	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
689864	ReliaProℛ	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F **2**	100-240@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	**14.95**	**13.95**	**12.95**	**11.95**
2138724	Jentecℛ	AF1805-A*	5	2500	2.1mm x 5.5mm right angle F **2**	100-240@50-60	2.4 x 1.9 x 1.1	Black	6'	0.4	UL/CUL/CEC	**12.95**	**11.95**	**10.95**	**9.95**
1952863	Mean Wellℛ 🍃	GS18U05-P1J	5	3000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	**15.95**	**14.95**	**13.95**	**12.95**
379623	Mean Wellℛ 🍃	GS25U05-P1J	5	4000	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	**15.95**	**14.95**	**13.95**	**12.95**
2135451	Open Peakℛ 🍃	LFS054000D-A8S*	5	4000	2.1mm x 5.5mm right angle F **2**	90-132@60	3.3 x 2.0 x 1.5	Black	6'	0.3	UL/CUL/CEC	**13.95**	**12.95**	**11.95**	**10.95**
2082011	Friwo	MPA3U	6	400	2.1mm x 5.5mm right angle F **2**	100-240@50-60	2.8 x 2.0 x 0.7	Black	6'	0.3	UL/CUL	**3.95**	**3.49**	**2.95**	**2.59**
2145078	ReliaProℛ 🍃	MGT-6500SPS*	6	500	2.1mm x 5.5mm F **2**	90-264@50-60	2.5 x 1.7 x 1.1	Black	6'	0.3	UL/CUL/CEC	**10.95**	**9.95**	**8.95**	**7.95**
1940678	Mean Wellℛ 🍃	GS06U-11P1J*	7.5	800	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	**11.95**	**10.95**	**9.95**	**8.95**
1940686	Mean Wellℛ 🍃	GS06U-2P1J*	9	660	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	**11.95**	**10.95**	**9.95**	**8.95**
2099850	Ault	HES12-090130	9	1300	2.1mm x 5.5mm F **2**	100-240@50-60	2.4 x 1.8 x 1.3	Black	6'	0.3	UL/CUL/CE	**11.95**	**10.95**	**9.95**	**8.95**
2135591	Unifive	US100913	9	1300	2.5mm x 5.5mm F **2**	100-240@50-60	2.4 x 1.7 x 1.1	Black	6'	0.2	UL/CUL	**11.95**	**10.95**	**9.95**	**8.95**
1940766	Mean Wellℛ	GS12U09-P1I	9	1330	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	**12.95**	**11.49**	**10.49**	**9.49**
1952847	Mean Wellℛ 🍃	GS18U09-P1J	9	2000	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	**16.95**	**15.95**	**14.49**	**12.95**
380140	Mean Wellℛ 🍃	GS25U09-P1J	9	2780	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	**17.95**	**16.95**	**15.49**	**13.95**
2121578	ReliaPro 🍃	ST-12500	12	500	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	**8.95**	**7.95**	**7.49**	**6.95**
1940694	Mean Wellℛ	GS06U-3P1J*	12	500	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	**11.95**	**10.95**	**9.95**	**8.95**
2150758	ReliaProℛ 🍃	MGT-12500SPS*	12	500	2.1mm x 5.5mm F **2**	90-264@50-60	2.5 x 1.7 x 1.1	Black	6'	0.2	UL/CUL/TUV/CE	**10.95**	**9.95**	**8.95**	**7.95**
2151101	ReliaProℛ 🍃	CNR2260	12	500	2.1mm x 5.5mm F **2**	100-240@50-60	3.6 x 2.0 x 1.3	Black	6'	0.3	UL/CUL/CEC	**9.95**	**8.95**	**7.95**	**6.95**
1955036	ReliaPro	26092#	12	700	2.1mm x 5.5mm F **2**	95-240@47-63	4.0 x 2.3 x 1.1	Black	5.5'	0.4	UL/CUL	**10.95**	**9.95**	**8.95**	**6.95**
2129668	ELPACℛ	WM1012-760**	12	800	2.5mm x 5.5mm F **2**	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	**10.95**	**9.95**	**8.95**	**7.95**
2121586	ReliaPro 🍃	ST-121A	12	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	**11.95**	**10.95**	**9.95**	**8.95**
2151005	DVEℛ 🍃	DSA-15P-12*	12	1000	2.1mm x 5.5mm F **2**	100-240@50-60	2.7 x 1.8 x 1.1	Black	6'	0.2	UL/CUL	**11.95**	**10.95**	**9.95**	**8.95**
1940774	Mean Wellℛ 🍃	GS12U12-P1I	12	1000	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	**13.95**	**12.49**	**10.95**	**9.95**
2126002	ITE Powerℛ 🍃	S018BU1200150	12	1500	2.1mm x 5.5mm F **2**	100-240@50-60	2.9 x 1.7 x 1.2	Black	6'	0.3	UL/CUL	**12.95**	**11.49**	**9.95**	**8.95**
1952855	Mean Wellℛ 🍃	GS18U12-P1J	12	1500	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.2	UL/CUL/CE/CEC	**15.95**	**14.95**	**13.95**	**12.95**
2082134	ReliaPro 🍃	ST-122A	12	2000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.4	UL/CUL/CEC	**14.95**	**13.49**	**11.95**	**10.95**
1950497	ReliaPro	GQ30-120200-BU*	12	2000	2.1mm x 5.5mm F **2**	100-240@50-60	2.9 x 1.3 x 2.1	Black	6'	0.4	UL/CUL/CE	**15.95**	**14.49**	**12.95**	**11.49**
380156	Mean Wellℛ 🍃	GS25U12-P1J	12	2080	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CE/CEC	**16.95**	**15.95**	**14.95**	**13.49**
1940707	Mean Wellℛ 🍃	GS06U-4P1J*	15	400	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	**11.95**	**10.95**	**9.95**	**8.95**
1952871	Mean Wellℛ 🍃	GS18U15-P1J	15	1200	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CE/CEC	**15.95**	**14.95**	**13.95**	**12.95**
380173	Mean Wellℛ	GS25U15-P1J	15	1670	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	**16.95**	**15.95**	**14.95**	**13.49**
380191	Mean Wellℛ 🍃	GS25U18-P1J	18	1380	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 1.2 x 1.3	Black	6'	0.5	UL/CUL/CEC	**16.49**	**14.95**	**13.49**	**12.49**
2129650	ELPACℛ	WM1024-760**	24	400	2.5mm x 5.5mm F **2**	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
1940803	Mean Wellℛ 🍃	GS12U24-P1I	24	500	2.1mm x 5.5mm F **2**	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	**13.95**	**12.95**	**11.95**	**10.95**
1952898	Mean Wellℛ 🍃	GS18U24-PIJ	24	750	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	**15.95**	**14.95**	**13.95**	**12.95**
2121594	ReliaPro 🍃	ST-241A	24	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	**12.95**	**11.95**	**10.95**	**9.95**
1953698	ReliaProℛ	ADR-24V1000MA-2.1	24	1000	2.1mm x 5.5mm F **2**	100-240@50-60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	**16.95**	**14.49**	**12.95**	**11.95**
1953671	ReliaProℛ	MPC-2400107	24	1000	2.5mm x 5.5mm F **2**	120-240@50-60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	**16.95**	**14.49**	**12.95**	**11.95**
380202	Mean Wellℛ 🍃	GS25U24-P1J	24	1040	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	**16.49**	**14.95**	**13.49**	**12.49**
380220	Mean Wellℛ 🍃	GS25U28-P1J	28	890	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.6	UL/CUL/CEC	**16.49**	**14.95**	**13.49**	**12.49**
380412	Mean Wellℛ	ES25U36-P1M	36	690	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	**16.49**	**14.95**	**13.49**	**12.49**
380244	Mean Wellℛ 🍃	GS25U48-P1J	48	520	2.1mm x 5.5mm F **2**	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	**16.49**	**14.95**	**13.49**	**12.49**

*Slimline package **RFI filter on cord # With light indicator 🍃 CEC

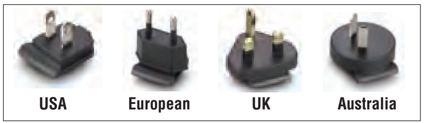
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Energy Star Worldwide Interchangeable AC-to-DC Regulated Switching Wall Adapters

Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

***Web Code: NBH**

- Field changeable AC Plug Clips **(sold separately, see below)** • Regulated output • Double insulated
- Input voltage: 90-264VAC @ 47-63Hz • Power-On LED
- Output connector: 2.1mm x 5.5mm female center positive; except P/N 1918702: 2.5mm x 5.5mm female right angle center positive P/N 2144809: 2.5mm x 5.5mm female straight center positive
- Load regulation: ±5% • Class B EMI • Color: black
- Applications: wireless communications, portable equipment, digital camera, peripherals and networking


USA European UK Australia

Phihong & Mean Well AC Plug Clips (below)

Shown w/o AC Plug Clip
AC Plug Clips Not Included

Wall Adapters (AC Plug Clip required, not included)

Part No.	Manufacturer	Mfr. Part No.	Output Volt. (VDC)	Current (A)	Power (W)	Ripple (mVp-p)	Line Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing 1	10	50	100
2144809	Phihong	PSA08R-050ℛ†#	5	1.0	5	50	±1%	70	2.8 x 1.8 x 1.0	**$10.95**	**$9.95**	**$8.95**	**$7.95**
2139815	Phihong	PSAC05R-050(P)ℛ	5	1.0	5	50	±1%	60 - 75	2.8 x 1.8 x 1.2	**11.95**	**10.95**	**9.95**	**8.95**
2082302	Mean Well	GE12I05-P1Jℛ	5	2.0	10	50	±5%	70	2.8 x 1.6 x 1.5	**11.95**	**10.95**	**9.95**	**8.95**
1918702	Globtek	GT-41052-1506ℛ#*	6	2.5	15	100	±1%	76	2.9 x 1.7 x 1.5	**19.95**	**17.95**	**15.95**	**13.95**
2082311	Mean Well	GE18I09-P1Jℛ	9	2.0	18	100	±5%	75	3.2 x 1.7 x 1.6	**17.95**	**16.95**	**14.49**	**12.95**
2138951	Phihong	PSA11R-120	12	0.83	10	120	±1%	65	2.8 x 1.8 x 1.2	**9.95**	**8.95**	**7.95**	**6.95**
2108656	Phihong	PSC12R-120ℛ	12	1.0	12	240	±5%	78	2.8 x 1.8 x 1.2	**14.95**	**13.95**	**12.95**	**11.95**
2100179	Phihong	PSAA20R-120ℛ	12	1.67	20	120	±5%	81	2.8 x 2.0 x 1.3	**17.95**	**16.95**	**14.49**	**12.95**
2082337	Mean Well	GE12I15-P1Jℛ	15	0.8	12	150	±3%	76	2.8 x 1.6 x 1.5	**13.95**	**12.49**	**10.95**	**9.95**
2082345	Mean Well	GE12I24-P1Jℛ	24	0.63	15	240	±3%	80	2.8 x 1.6 x 1.5	**14.95**	**13.95**	**12.95**	**11.95**

†Comes with USA AC plug clip (RPA) #2.5mm x 5.5mm female plug *Kit includes US, UK, EU, AUS plugs

Phihong AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	100
229155	RPAℛ	USA AC plug only	**$1.25**	**$1.19**	**$1.09**	**$.99**
229163	RPEℛ	European AC plug only	**1.25**	**1.19**	**1.09**	**.99**
229171	RPKℛ	United Kingdom AC plug only	**.99**	**.95**	**.89**	**.85**
2081422	RPSℛ	Australia AC plug only	**1.59**	**1.45**	**1.29**	**1.19**
229181	RPKITℛ	Kit includes RPA/RPE/RPK/RPS clips (4)	**4.49**	**4.25**	**3.95**	**3.59**

Mean Well AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	100
2082353	AC-Plug-USℛ	USA AC plug only	**$1.25**	**$1.19**	**$1.09**	**$.99**
2082361	AC-Plug-EUℛ	European AC plug only	**1.25**	**1.19**	**1.09**	**.99**
2082388	AC-Plug-AUℛ	Australia AC plug only	**1.59**	**1.45**	**1.29**	**1.19**
2082396	AC-Plug-MIXℛ	Kit includes US, EU, UK & AU clips (4)	**4.49**	**4.25**	**3.95**	**3.59**

JAMECO ReliaPro

AC-to-DC Regulated Linear Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

***Web Code: WAZ**

◆ Polarity figures & photos on next page

Part No.	Manufacturer	Product No.	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
164101	ReliaPro	GPU410500	5	500	2.1mm x 5.5mm F **2**	120 @ 60	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	**$9.95**	**$8.95**	**$7.95**	**$6.95**
319986	ReliaPro	DV-580R	5	800	2.5mm x 5.5mm F **2**	120 @ 60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	**8.95**	**7.95**	**6.95**	**5.95**
2081609	Condor	RWP480505	5	1000	2.1mm x 5.5mm F **2**	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	**8.95**	**7.95**	**6.95**	**5.95**
1953612	ReliaProℛ	DBU0501000	5	1000	2.1mm x 5.5mm F **2**	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	**11.95**	**10.95**	**9.95**	**8.95**
168605	ReliaPro	DBU0501000	5	1000	2.5mm x 5.5mm F **2**	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	**12.95**	**11.49**	**9.95**	**8.95**
1919220	ReliaPro	FE4823	5	1200	2.5mm x 5.5mm F **2**	120 @ 60	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	**7.95**	**6.95**	**5.95**	**4.95**
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F **2**	120 @ 60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
2138716	ReliaPro	D41-06-500R	6	500	2.1mm x 5.5mm F **1**	120 @ 60	2.6 x 2.1 x 1.5	Black	6'	0.6	UL/CUL	**8.95**	**7.95**	**6.95**	**5.95**
283573	ReliaPro	ADR-6V500MA-2.1	6	500	2.1mm x 5.5mm F **2**	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	**10.95**	**9.95**	**8.95**	**7.95**
1953701	ReliaPro	ADR-6V500MA-2.5	6	500	2.5mm x 5.5mm F **2**	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	**8.95**	**7.95**	**6.95**	**6.25**
1953719	ReliaPro	DBU0601000	6	1000	2.1mm x 5.5mm F **2**	120 @ 60	3.2 x 2.3 x 2.0	Black	6'	1.3	UL/CSA	**12.95**	**11.49**	**9.95**	**8.95**
190529	ReliaPro	AD9123	9	250	2.5mm x 5.5mm right angle F **2**	120 @ 60	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	**10.95**	**9.95**	**8.95**	**7.95**
1953639	ReliaProℛ	DCU09050	9	500	2.1mm x 5.5mm F **2**	120 @ 60	2.4 x 2.0 x 1.6	Black	6'	0.9	UL/CSA	**10.95**	**9.95**	**8.95**	**7.95**
1953647	ReliaProℛ	SF41-0900500RU	9	500	2.5mm x 5.5mm F **2**	120 @ 60	3.0 x 2.0 x 1.6	Black	6'	0.9	UL/CSA	**10.95**	**9.95**	**8.95**	**7.95**
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F **1**	120 @ 60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	**8.95**	**7.95**	**6.95**	**6.25**
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F **2**	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	**11.95**	**10.95**	**9.95**	**8.95**
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F **2**	120 @ 60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	**14.95**	**13.49**	**11.95**	**10.95**
1953663	ReliaProℛ	DCU1201000	12	1000	2.5mm x 5.5mm F **2**	120 @ 60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CSA	**14.95**	**13.49**	**11.95**	**10.95**
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F **2**	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	**14.95**	**13.49**	**11.95**	**10.95**
174879	ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F **2**	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	**14.95**	**13.49**	**11.95**	**10.95**

More AC-to-DC Wall Adapters listed on pages 103-104 & 106-107

BEST SELLING – LINEAR REGULATED/UNREGULATED WALL ADAPTERS

P/N	Description	Price
P/N 164101	5V @ 0.5A	**$9.95**
P/N 283573	6V @ 0.5A	**10.95**
P/N 170245	12V @ 1A	**14.95**

P/N	Description	Price
P/N 100175	9V @ 0.6A	**$7.95**
P/N 102496	12V @ 0.5A	**7.95**
P/N 100870	12V @ 1A	**9.95**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ReliaPro

AC-to-DC Unregulated Linear Wall Adapters

120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.

★ Web Code: UAP

◆ Polarity 1 ⊕–◐–⊖ (center negative)
Polarity 2 ⊖–◐–⊕ (center positive)
Female(F) Male(M)

Female

Male

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 112) for just $2.50 each. A 100 pc. minimum order applies.

2099921

100095

Part No.	Manufacturer	Product No.	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
2126109	ReliaPro	K12D045025023U	4.5	250	2.1mm x 5.5mm F **2**	2.3 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	**$4.95**	**$4.49**	**$3.95**	**$3.59**
112070	ReliaPro	DBU050022Z5480	5	225	2.5mm x 5.5mm F **2**	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	**5.95**	**5.49**	**4.95**	**4.49**
2125536	CUI Inc	DPD050025	5	250	2.1mm x 5.5mm F **2**	2.2 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	**3.95**	**3.59**	**3.29**	**2.95**
155601	ReliaPro	DCU050100B3582	5	1000	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	**9.95**	**8.95**	**7.95**	**6.95**
1918657	ReliaPro	DDU050100	5	1000	2.5mm x 5.5mm F **2**	3.2 x 2.2 x 1.9	Black	6'	0.7	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
302439	Dynage	LF06300D-08	6	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	**3.95**	**3.49**	**2.95**	**2.59**
2099551	Fuhua	UE-3560300D	6	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.7	Black	6'	0.4	UL/CUL	**3.95**	**3.49**	**2.95**	**2.59**
119255	ReliaPro	DBU060050Z2251	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	**6.95**	**6.25**	**5.59**	**4.95**
101266	ReliaPro	DBU060050E3860	6	500	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
15544	ReliaPro	DBU060050Z8371	6	500	3.5mm M **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
2081431	ReliaPro	DV-0670-B14	6	700	2.1mm x 5.5mm F **2**	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	**3.95**	**3.49**	**2.95**	**2.59**
147707	ReliaPro	DBU060080C6962	6	800	2.1mm x 5.5mm F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	**8.95**	**7.95**	**6.95**	**5.95**
220943	ReliaPro	DCU060120G2401	6	1200	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
220951	ReliaPro	DCU075100G2291	7.5	1000	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	**8.95**	**7.95**	**6.95**	**5.95**
248751	ReliaPro	AD-071A	7.5	1000	2.5mm x 5.5mm F **2**	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	**5.95**	**5.49**	**4.95**	**4.59**
355936	ReliaPro	DBU090020	9	200	1.3mm x 3.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	**5.95**	**5.35**	**4.79**	**4.39**
134025	ReliaPro	DBU090020Z6100	9	200	2.1mm x 5.5mm F **1**	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	**5.95**	**5.35**	**4.79**	**4.39**
2100152	ReliaPro	AP2911	9	200	2.1mm x 5.5mm F **2**	2.6 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	**3.95**	**3.49**	**2.95**	**2.59**
100845	ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F **2**	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	**5.95**	**5.35**	**4.79**	**4.39**
2082556	ReliaPro	5-2616	9	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.4 x 1.4	Black	6'	0.5	UL/CUL	**3.95**	**3.49**	**2.95**	**2.59**
2082548	Atlinks	5-2617	9	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.4 x 1.4	Gray	6'	0.5	UL/CUL	**2.95**	**2.49**	**1.95**	**1.75**
2138847	ReliaPro	D6300-01	9	200	2.5mm M **2**	2.2 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	**4.95**	**4.49**	**3.95**	**3.59**
100837	ReliaPro	DBU090020Z5490	9	200	3.5mm M **2**	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	**5.95**	**5.35**	**4.79**	**4.39**
133891	ReliaPro	DBU090030C112	9	300	2.1mm x 5.5mm F **2**	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	**6.95**	**5.95**	**5.49**	**4.95**
318676	ReliaPro	DBU090030H5790	9	300	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	**6.95**	**5.95**	**5.49**	**4.95**
1949120	ReliaPro	AD35-0900300DU	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL	**4.95**	**4.49**	**3.95**	**3.59**
189238	ReliaPro	DBU090030H4540	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	**6.95**	**5.95**	**4.95**	**4.49**
163628	ReliaProℛ	DCU090050Z7484	9	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
2151064	CUI Stack	DPD090050-P5	9	500	2.1mm x 5.5mm F **2**	2.3 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	**6.49**	**5.95**	**4.95**	**4.49**
100853	ReliaPro	DCU090050E2961	9	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
147732	ReliaProℛ	OH-41036DT	9	500	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	**5.95**	**5.25**	**4.59**	**3.95**
236937	ReliaPro	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F **2**	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
15561	ReliaPro	DCU090050A2011	9	500	3.5mm M **2**	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
202180	ReliaPro	DCU090060F2091	9	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	**7.95**	**6.95**	**5.95**	**5.49**
100175	ReliaPro	DCU090060Z6652	9	600	2.5mm x 5.5mm F **2**	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	**7.95**	**6.95**	**5.95**	**5.49**
202198	ReliaPro	DCU090080F2221	9	800	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	**6.95**	**6.25**	**5.59**	**4.95**
164929	ReliaPro	DDU090100C2550	9	1000	2.1mm x 5.5mm F **1**	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
421690	ReliaPro	SA48-29A	9	1000	2.1mm x 5.5mm F **2**	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	**6.95**	**5.95**	**4.95**	**3.95**
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	**9.95**	**8.95**	**7.95**	**6.95**
2099905	Golden Regent	W48D-H1000	9	1000	2.5mm x 5.5mm F **1**	3.2 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	**4.95**	**3.95**	**3.49**	**2.49**
2099913	ENG Electric*	T48-9-1000D3	9	1000	2.5mm x 5.5mm F **1** (Euro plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	**4.95**	**3.95**	**3.49**	**2.49**
2099921	ENG Electric*	T48-9-1000D4	9	1000	2.5mm x 5.5mm F **1** (UK plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	**4.95**	**3.95**	**3.49**	**2.49**
127505	ReliaProℛ	DDU090100	9	1000	2.5mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	**9.95**	**8.95**	**7.95**	**6.95**
1586082	GTE	ADP2108GT (2.5)	9	1000	2.5mm M **2**	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	**5.95**	**4.95**	**3.95**	**2.95**
130526	ReliaPro	DDE090120F3621	9	1200	2.1mm x 5.5mm F **1**	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	**11.95**	**10.95**	**9.95**	**8.95**
143693	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F **2**	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	**12.95**	**11.95**	**10.95**	**9.95**
2082193	Philips	SPA-3545-81	12	100	2.1mm x 5.5mm F **2**	2.5 x 1.8 x 1.5	Black	6'	0.5	UL/CSA	**3.49**	**2.95**	**2.49**	**1.95**
100095	ReliaPro	DBU120020G0610	12	200	2.1mm x 5.5mm F **2**	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	**5.95**	**5.49**	**4.95**	**4.49**
158043	ReliaPro	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	**5.95**	**5.49**	**4.95**	**4.49**
127976	ReliaPro	DCU120030D7161	12	300	2.1mm x 5.5mm F **2**	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CUL	**7.95**	**6.95**	**5.95**	**4.95**
2125923	Anomaℛ	AEC-4112B	12	300	2.5mm x 5.5mm F **2**	2.4 x 1.2 x 1.6	Black	6'	0.7	UL/CSA	**6.95**	**6.25**	**5.59**	**4.95**
190503	ReliaProℛ	ADA-410	12	400	2.1mm x 5.5mm right angle F **2**	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	**7.95**	**7.25**	**6.49**	**5.95**

* 240VAC 50Hz

More AC-to-DC Wall Adapters listed on pages 103-105 & 107

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO ReliaPro

AC-to-DC Unregulated Linear Wall Adapters (Continued)

120VAC @ 60Hz

★ Web Code: UAP

We specialize in Wall Adapters – Call for additional OEM PRICING.

◆ Polarity 1 ⊕—◐—⊖ (center negative)
Polarity 2 ⊖—◐—⊕ (center positive)
Female(F) Male(M)

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 112) for just $2.50 each. A 100 pc. minimum order applies.

123158

Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
114825	ReliaPro	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	$7.95	$6.95	$6.59	$5.95
15368	ReliaPro	DCU120050Z8698	12	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.59	5.95
102496	ReliaPro	DCU120050E8601	12	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
131300	ReliaPro	DCU120050E0251	12	500	2.1mm x 5.5mm right angle F **2**	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	7.95	6.95	5.95	4.95
102277	ReliaPro	DCU120050UE2631	12	500	2.5mm x 5.5mm F **2**	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
17267	ReliaPro	DCU120050Z5391	12	500	3.5mm M **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.95	7.29	6.59	5.95
202219	ReliaPro	DCU120070F2142	12	700	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	7.29	6.49
2151144	CUI Stack	48-12-800	12	800	Cut leads F **2**	3.2 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	7.95	6.95	6.25	5.95
117479	ReliaPro	DDU120080E6451	12	800	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.49	6.95
129331	ReliaPro	DDU120080F2412	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.49	6.95
121232	ReliaPro	DDU120080F2271	12	800	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	7.49	6.95
2151013	Lite-On	PB-1120-IL	12	1000	2.1mm x 5.5mm F **2**	2.5 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	8.95	7.95	6.95	6.25
100870	ReliaPro	DDU120100Z7974	12	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	7.29
105478	ReliaPro	DDU120100Z2993	12	1000	2.5mm x 5.5mm F **2**	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
15392	ReliaPro	DDU120100E7302	12	1000	3.5mm M **2**	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	7.29
2125991	CUI Inc	57-12-1200D	12	1200	2.1mm x 5.5mm F **2**	3.6 x 2.6 x 2.1	Black	6'	1.4	UL/CUL	8.95	7.95	6.95	5.95
196779	ReliaPro	DDU120120G0031	12	1200	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.95	10.95	9.95	8.95
203036	ReliaPro	DDU120150H4530	12	1500	2.1mm x 5.5mm F **1**	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
136881	ReliaPro	DDU120150K1960	12	1500	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	15.95	14.95	13.49	11.95
101291	ReliaPro	DDU120150	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
2135620	Tamura	425A12400P	12.5	400	2.1mm x 2.5mm right angle F **2**	3.3 x 2.2 x 1.6	Black	8'	0.7	UL/CUL	6.95	5.95	5.49	4.95
2077626	ReliaPro	TXACA036	13	1000	2.5mm x 5.5mm F **2 (Switching)**	2.7 x 2.4 x 1.6	Black	6'6"	0.6	UL/CE	4.95	3.95	3.49	2.95
308099	ReliaPro	DDU135100H3210	13.5	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
2135582	Ault	P48131000A010G	13.5	1000	2.5mm x 5.5mm right angle F **2**	3.2 x 2.2 x 1.9	Black	6'	1.1	UL/CSA	8.95	7.95	6.95	5.95
212812	ReliaPro	DBU140020F6022	14	200	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.95	3.59	3.29	2.95
212821	ReliaPro	DBU140030F6042	14	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	6.95	5.95	5.49	4.95
129314	ReliaPro	DV-1250	14	360	2.5mm x 5.5mm right angle F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	3.95	3.59	3.29	2.95
123932	ReliaPro	DDU140070Z7470	14	700	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.95	7.95	6.95	6.25
202260	ReliaPro	DDU140100F3270	14	1000	2.1mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
190001	ReliaPro	DCU150050E3021	15	500	2.1mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	8.95	7.95	7.29	6.49
189982	ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	8.95	7.95	7.29	6.49
2135427	Ventronics	D48W150900-14/1	15	900	2.1mm x 5.5mm F **2**	2.5 x 2.2 x 2.0	Black	6'	0.8	UL/CUL	8.95	7.95	6.95	5.95
203502	ReliaPro	DDU150090F4480	15	900	2.5mm x 5.5mm F **2**	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	6.95
191652	ReliaPro	DDU150100D7051	15	1000	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.95	9.95	8.95	7.95
681563	Ault	P48151000A020G	15	1000	2.5mm x 5.5mm F **2**	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	7.95	6.95	5.95	4.95
162317	ReliaPro	DDU165050J19910	16	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	9.95	8.95	7.95	7.29
217541	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F **2**	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	3.95	3.59	3.29	2.95
2081713	DVE	DV-1790	17	900	2.5mm x 5.5mm F **2**	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	3.95	3.49	2.95	2.59
181729	ReliaPro	DCU180025F8680	18	250	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	5.95	4.95	4.49	3.95
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F **2 (w/ LED indicator)**	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	3.95	3.49	2.95	2.59
163272	ReliaPro	DDU180050C1031	18	500	2.1mm x 5.5mm F **2**	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	5.95	5.25	4.59
206958	ReliaPro	DDU180100H4551	18	1000	2.5mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.95	8.95	7.95
102285	ReliaPro	DDU240040Z7860	24	400	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.29	6.49
163635	ReliaPro	DDU240050C1981	24	500	2.1mm x 5.5mm F **1**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
191556	ReliaPro	DDU240050E5852	24	500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
139088	ReliaPro	DDU240050E9160	24	500	3.5mm M **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
1918930	ReliaPro ℛ	DDU240060L260	24	600	2.1mm x 5.5mm F **2**	2.9 x 2.2 x 1.9	Black	6'	0.4	UL/CUL	10.95	9.95	8.95	7.95
168495	ReliaPro	DFU240080J3180	24	800	2.1mm x 5.5mm F **2**	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.95	11.95	10.95	9.95
220960	ReliaPro	DFU240100G2300	24	1000	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	14.95	13.49	11.95	9.95
249121	ReliaPro	DFU240120/G8520	24	1150	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
249113	ReliaPro	DFU240120/G8510	24	1150	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
199523	ReliaPro	DDU300050E9340	30	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.95	8.95	7.95
15309	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500 120VAC	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
123158	ReliaPro	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000 110-220VAC	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	11.95	10.95	9.95	8.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

AC-to-DC Table-Top Power Supplies

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AC-to-DC Regulated & Unregulated Linear & Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 112) for just $2.50 each. A 100 pc. minimum order applies.

243109

2099569

664261

1950905

2135822

2099876

◆ Polarity 1 ⊕—◐—⊖ (center negative)
Polarity 2 ⊖—◐—⊕ (center positive)

Female (F)

Male (M)

DIN (M)

Stripped

See page 115 for International Power Cords

Part No.	Manufacturer	Product No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity ◆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
												1	10	50	100
2-Wire AC Input – Unregulated Linear Table-Top												★*Web Code: TBE*			
190051	APS	APS48EA114	+7/1.5	2.5mm x 5.5mm F **2**	120@60	10	No	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	**$3.95**	**$3.49**	**$2.95**	**$2.49**
243109	Regal	JK-91001-N	+9/1.0	Stripped & Tinned	120@60	9	No	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	**3.95**	**3.49**	**2.95**	**2.49**
2081941	Toshiba	AD-121ADT	+12/1.0	2.1mm x 5.5mm F **2**	120@60	12	No	3.2 x 2.2 x 1.9	6'/6'	1.3	UL/CUL	**6.95**	**6.25**	**5.59**	**4.95**
140880	ReliaPro	DC1215ST	+12/1.5	Stripped & Tinned	120@60	18	No	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	**12.95**	**11.95**	**10.95**	**9.95**
143715	ReliaProℛ	DC1220F1	+12/2.0	2.1mm x 5.5mm F **2**	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	**15.95**	**14.95**	**13.95**	**12.49**
143722	ReliaPro	DC1220F5	+12/2.0	2.5mm x 5.5mm F **2**	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	**15.95**	**14.95**	**13.95**	**12.49**
143731	ReliaPro	DC1220M3	+12/2.0	3.5mm M **2**	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	1.9	UL/CUL	**14.95**	**13.49**	**11.95**	**10.95**
2099569	ReliaPro	57-1607-U4D	+16/0.7	2.5mm x 5.5mm F **2**	120@60	19	No	3.6 x 2.7 x 3.6	6'/6'	1.3	UL	**6.95**	**5.95**	**4.95**	**3.95**
139096	ReliaPro	DC2412F1	+24/1.2	2.1mm x 5.5mm F **2**	120@60	29	No	4.4 x 3.1 x 2.6	6'/6'	2.5	—	**15.95**	**14.95**	**13.95**	**12.49**
173665	Skynet	DND-3005	+30/0.5	2.5mm x 5.5mm F **2**	120@60	15	No	3.0 x 2.5 x 2.2	5'9"/3'2"	1.4	UL/CUL	**3.95**	**2.95**	**2.49**	**1.95**
2-Wire AC Input – Regulated Linear Table-Top												★*Web Code: CEM*			
664261	Intermec	062035	+5/0.75	4-pin DIN M	120@60	3.75	No	4.4 x 2.5 x 2.0	6'/6'	1.6	UL/CSA	**$6.95**	**$5.95**	**$4.95**	**$4.25**
174845	ReliaProℛ	GQ-ADT57250-0044	+24/1.0	2.1mm x 5.5mm F **2**	120@60	24	No	3.4 x 2.6 x 2.2	6'/6'	2.6	UL	**17.95**	**15.95**	**14.49**	**12.95**
2-Wire AC Input – Regulated Switching Table-Top – Single Output												★*Web Code: DDZ*			
1940299	Mean Wellℛ 🍃	GS18B05-P1J	+5/3.0	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	4'/[1]	0.5	UL/CSA/TUV/CEC	**$16.95**	**$15.95**	**$14.95**	**$13.95**
380621	Mean Wellℛ	ES25B05-P1MU	+5/4.0	2.5mm x 5.5mm F **2**	90-264@47-63	20	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	**19.95**	**18.95**	**17.49**	**15.49**
195806	ReliaProℛ	DCR920F12	+9/2.0	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	**19.95**	**18.95**	**17.95**	**16.95**
1940310	Mean Wellℛ	GS18809-P1J	+9/2.0	2.1mm x 5.5mm F **2**	90-264@47-63	18	Yes	3.1 x 2.1 x 1.3	6'/[1]	0.5	UL/CUL/TUV/CE	**14.95**	**13.95**	**12.95**	**11.95**
380681	Mean Wellℛ	ES25B09-P1MU	+9/2.78	2.5mm x 5.5mm F **2**	90-264@47-63	25	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	**12.95**	**11.95**	**11.49**	**9.95**
2144892	CUI Incℛ	EPA-121DA-12	+12/1.0	2.1mm x 5.5mm F **2**	100-240@50-60	12	No	3.0 x 1.9 x 1.1	6'/[1]	0.2	UL/CUL/CE	**11.95**	**10.95**	**9.95**	**8.95**
2135574	CUI Incℛ	EPA-121DA-12	+12/1.0	2.5mm x 5.5mm F **2**	100-240@50-60	12	No	3.0 x 1.9 x 1.1	6'/[1]	0.2	UL/CUL/CE	**11.95**	**10.95**	**9.95**	**8.95**
1950905	APS	AD715U-1121	+12/1.2	2.5mm x 5.5mm F **2**	100-240@50-60	15	No	3.7 x 2.1 x 1.3	6'/[1]	0.5	UL/CUL/TUV/CE	**11.95**	**10.95**	**9.95**	**8.95**
191353	Delta	ADP-15FB	+12/1.25	2.1mm x 5.5mm F **2**	100-240@50-60	15	No	3.5 x 2.3 x 1.2	6'/[1]	0.5	UL/CE	**9.95**	**8.95**	**7.95**	**6.95**
2150977	Fairway	VE15B-120	+12/1.5	2.1mm x 5.5mm F **2**†	100-240@50-60	18	No	3.3 x 2.2 x 1.0	6'/[1]	0.4	UL/CUL/TUV/CE	**13.95**	**12.49**	**11.95**	**10.95**
1940328	Mean Wellℛ 🍃	GS18B12-P1JT	+12/1.5	2.1mm x 5.5mm F **2**	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/CE/CEC	**16.95**	**15.49**	**14.49**	**13.49**
1942155	Jentec	JTA0210P	+12/3.0	2.1mm x 5.5mm F **2**	100-240@50-60	36	Yes	4.3 x 2.0 x 1.2	4'/[1]	0.6	UL/CUL/TUV/CE	**15.95**	**13.95**	**11.95**	**10.95**
401042	ReliaProℛ	ADPV16	+12/3.0	2.1mm x 5.5mm F **2**	100-240@50-60	36	No	3.9 x 1.8 x 1.2	4'/[1]	0.5	UL/CUL/TUV/CE	**24.95**	**22.49**	**19.95**	**17.95**
2135822	ReliaProℛ	CP1230	+12/3.0	2.5mm x 5.5mm F **2**	100-240@50-60	36	No	3.5 x 2.0 x 1.2	6'/[1]	0.5	UL/CUL/CE	**24.95**	**22.49**	**19.95**	**17.95**
2133333	ReliaProℛ	A236SG12R-U	+12/3.0	2.5mm x 5.5mm F **2**†	100-240@50-60	36	Yes	3.9 x 2.2 x 1.3	6'/[1]	0.6	UL/CUL/TUV/CE	**24.95**	**22.49**	**19.95**	**17.95**
2099876	Lishin Int.	LSE9802A 1240	+12/3.33	2.1mm x 5.5mm F **2**	100-240@50-60	40	Yes	3.7 x 2.2 x 1.3	5'/6'	0.4	UL/CSA/TUV/CE	**14.95**	**13.49**	**12.95**	**10.95**
1940521	Mean Wellℛ 🍃	GS25B15-P1J	+15/1.66	2.1mm x 5.5mm F **2**	100-240@50-60	25	No	3.1 x 2.1 x 1.3	6'/[1]	0.5	UL/CSA/CEC	**18.95**	**16.95**	**14.95**	**13.49**
1940352	Mean Wellℛ 🍃	GS18B24-P1J	+24/0.75	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	6'/[1]	0.5	UL/CSA/TUV/CEC	**14.95**	**13.49**	**12.49**	**11.49**
1940547	Mean Wellℛ 🍃	GS25B24-P1J	+24/1.04	2.1mm x 5.5mm F **2**	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/[1]	0.5	UL/CSA/TUV/CE/CEC	**16.49**	**14.95**	**13.49**	**12.49**
221613	Mean Wellℛ ✓	P30B-6P2JT	+24/1.12	2.1mm x 5.5mm F **2**	100-240@50-60	27	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	**24.95**	**23.95**	**21.49**	**19.95**
1940230	EDAC Incℛ	EA1030D2	+24/1.25	2.1mm x 5.5mm F **2**	100-240@50-60	30	Yes	3.9 x 1.8 x 1.2	4'/[1]	0.5	UL/CUL/TUV/CE	**19.95**	**17.95**	**15.95**	**13.95**
229843	Phihongℛ 🍃	PSAA60W-240	+24/2.5	2.1mm x 5.5mm F **2**	100-240@47-63	60	No	5.1 x 2.4 x 1.3	4'/[1]	0.5	UL/CSA/CEC	**39.95**	**36.95**	**33.95**	**29.95**
1707075	Mean Well 🍃	ES18B28-P1J	+28/0.64	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	6'/[1]	0.5	UL/CUL/TUV/CE	**6.95**	**5.95**	**4.95**	**3.95**
1707139	Mean Wellℛ 🍃	ES25B48-P1J	+48/0.52	2.1mm x 5.5mm F **2**	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/[1]	0.4	UL/CUL/TUV/CE	**19.95**	**17.95**	**15.95**	**14.49**
2-Wire AC Input – Regulated Switching Table-Top – Triple Output												★*Web Code: TTO*			
196138	DVE	DSA-0283A	+5/1, +12/1.49 -5/0.43	5-pin DIN M	100-240@47-63	23	No	4.9 x 2.7 x 1.5	6'/[1]	0.8	UL/CSA/TUV	**$3.95**	**$3.59**	**$3.25**	**$2.95**
3-Wire AC Input – Regulated Linear Table-Top – Double & Quad Output												★*Web Code: CEM*			
689661	Regal	R1JG-5500	+5/1; -5/0.5	5-pin DIN M	120@60	30	No	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	**$9.95**	**$8.95**	**$7.95**	**$6.95**
689653	Regal	RJM-551228	+5/0.9; -5/0.2; +12/.62; -28/.16	6-pin DIN M	120@60	55	No	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	**10.95**	**9.49**	**7.95**	**6.95**
3-Wire AC Input – Regulated Switching Table-Top – Single Output												★*Web Code: DDZ*			
1928863	DVE	DSA0210D-03	+3.3/4.0	2.5mm x 5.5mm F **2**	100-240@50-60	13	No	3.9 x 2.0 x 1.4	4'/[2]	0.5	UL/CUL/TUV/CE	**$12.95**	**$10.95**	**$9.49**	**$8.49**
2115549	ReliaPro	217-03814	+5/0.5	2.1mm x 5.5mm F **2**	100-240@50-60	2.5	No	3.1 x 2.0 x 1.2	6'/[2]	0.4	UL/CSA	**6.95**	**5.95**	**4.95**	**3.95**
308700	ReliaPro	ZD0001F	+5/1.0	2.1mm x 5.5mm F **2**†	100-240@50-60	5	No	4.2 x 2.0 x 1.6	6'/[2]	0.4	UL/CUL/TUV/CE	**6.95**	**5.95**	**4.95**	**3.95**
1918737	Magtech	SPU15A-102	+5/1.0	2.5mm x 5.5mm F **2**	100-240@47-63	5	Yes	3.6 x 1.5 x 1.4	6'/[2]	0.4	UL/CUL/TUV/CE	**6.95**	**5.95**	**4.95**	**3.95**
309876	ReliaPro	GI12-USO520	+5/2.0	2.1mm x 5.5mm F **2**	100-240@50-60	10	No	2.6 x 1.9 x 1.3	6'/[2]	0.4	UL/CUL/TUV/CE	**9.95**	**8.95**	**7.95**	**6.95**
196218	GlobTek	GT-21089-1305T3	+5/2.0	2.1mm x 5.5mm F **2**	120-240@50-60	10	No	3.4 x 1.9 x 1.3	6'/[2]	0.4	UL/CUL/TUV/CE	**15.95**	**14.49**	**12.95**	**11.95**

* See accessory table-top power cord chart on page 110 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

† Right angle

✓CEC Equivalent available. Add a "C" before part number for CEC version.

🍃 CEC

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

AC-to-DC Regulated Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 112) for just $2.50 each. A 100 pc. minimum order applies.

Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
												1	10	50	100
3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)												★Web Code: DDZ			
1955642	Delta	ADP-105B	+5/2.0	2.1mm x 5.5mm F **2**	100-240@50-60	10	No	3.3 x 1.9 x 1.2	6'/ 2	0.3	UL/CUL/CE	$7.95	$6.95	$5.49	$3.95
1954236	Mean Wellℛ🍃	GS15A-1P1J	+5/2.4	2.1mm x 5.5mm F **2**	90-264@47-63	12	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CEC	17.95	15.95	14.49	13.49
2115506	OEM	SYS1089-1305-T3	+5/2.6	2.1mm x 5.5mm F **2**	100-240@50-60	13	No	3.4 x 1.8 x 1.3	6'/ 2	0.3	UL/CUL/CE	10.95	9.49	8.95	7.95
1940387	Mean Wellℛ🍃	GS18A05-P1J	+5/3.0	2.1mm x 5.5mm F **2**	100-240@50-60	15	Yes	3.7 x 2.1 x 1.4	4'/ 2	0.5	UL/CUL/TUV/CE/CEC	18.49	16.49	14.49	12.95
1940571	Mean Wellℛ🍃	GS25A05-P1J	+5/4.0	2.1mm x 5.5mm F **2**	100-240@50-60	20	Yes	3.7 x 2.1 x 1.4	4'/ 2	0.5	UL/CULTUV/CEC	19.95	18.95	16.49	14.95
1952337	Mean Wellℛ🍃	GS40A05-P1JU	+5/5.0	2.1mm x 5.5mm F **2**	90-264@47-63	25	Yes	4.9 x 2.0 x 1.2	4'/ 2	0.7	UL/CSA/TUV/CEC	34.95	31.49	27.95	24.95
2135700	Condorℛ	HK-D530-A05	+5/6.0	2.5mm x 5.5mm F **2**	100-240@50-60	30	No	4.7 x 2.1 x 1.3	8'/ 2	0.5	UL/CUL/TUV/CE	32.95	29.95	25.95	23.49
320081	GlobTekℛ	TR9CA6000LCP-Y	+5/6.0	2.5mm x 5.5mm F **2**	100-240@50-60	30	Yes	4.7 x 2.4 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	39.95	35.95	31.95	28.95
2144956	ReliaPro	GQ65-060330-EI	+6/3.3	2.1mm x 5.5mm F **2**	100-240@50-60	20	No	3.6 x 2.0 x 1.3	6'/ 3	0.3	UL/TUV/CE	21.95	19.95	17.95	14.95
206529	Mean Wellℛ🍃	GS40A07-P1J	+7.5/5.34	2.1mm x 5.5mm F **2**	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/6'	1.5	UL/CUL/TUV/CE	27.95	25.95	24.49	22.95
1940408	Mean Wellℛ🍃	GS18A09-P1JU	+9/2.0	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
1952361	Mean Wellℛ🍃	GS60A09-P1J	+9/6.0	2.1mm x 5.5mm F **2**	90-264@47-63	54	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CEC	28.95	26.95	24.95	22.95
1955651	ELPAC	W0812	+12/0.67	2.5mm x 5.5mm F **2**	100-240@47-63	8	No	3.3 x 1.9 x 1.2	6'/6'	0.8	UL/CUL/TUV/CE	8.95	7.95	6.95	5.95
2150782	ReliaProℛ🍃	GQ65-120100EI	+12/1.0	2.1mm x 5.5mm F **2**	100-240@50-60	12	No	3.6 x 1.9 x 1.3	6'/ 2	0.3	TUV(US)/TUV/CE	14.95	13.95	12.49	10.95
1954244	Mean Wellℛ🍃	GS15A-3P1J	+12/1.25	2.1mm x 5.5mm F **2**	90-264@47-63	15	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CEC	17.95	15.95	14.49	12.95
2150993	DVE	DSA-0151D-12	+12/1.5	2.1mm x 5.5mm F **2**†	100-240@47-63	18	No	3.9 x 2.0 x 1.3	6'/ 2	0.5	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95
2135558	Joden	JSE-02512-9	+12/1.5	2.1mm x 5.5mm F **2**	100-240@50-60	18	No	3.4 x 2.2 x 1.3	6'/ 2	0.5	UL/CUL/TUV	15.95	13.95	12.49	10.95
1940416	Mean Wellℛ	GS18A12-P1JU	+12/1.5	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
2135507	SPC Technologyℛ	SA121A6F-11	+12/1.6	2.1mm x 5.5mm F **2**	100-250@47-63	19	No	3.2 x 2.2 x 1.9	6'/ 2	0.2	UL/CUL/TUV/CE	13.95	12.49	10.95	9.95
2135515	SPC Technologyℛ	SA122A0U-11	+12/2.0	2.1mm x 5.5mm F **2**	100-250@47-63	24	No	3.2 x 2.2 x 1.9	6'/ 2	0.2	UL/CUL/TUV	14.95	13.49	11.95	10.95
2099868	DVE	DSA-0421S	+12/2.0	2.1mm x 5.5mm F **2**	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6'	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95
2138960	Potrans	UP02511120	+12/2.0	2.5mm x 5.5mm F **2**	100-240@50-60	24	No	4.4 x 2.8 x 1.4	4'/ 2	0.6	UL/CSA/CE	14.95	13.49	11.95	10.95
1940601	Mean Wellℛ🍃	GS25A12-P1JU	+12/2.08	2.1mm x 5.5mm F **2**	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	4'/6'	0.5	UL/CUL/TUV/CEC	18.95	16.95	14.95	13.49
2129158	Sparkle Power 🍃	FSP-040-DGAA1	+12/3.33	2.1mm x 5.5mm F **2**	100-240@50-60	40	Yes	4.3 x 2.0 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CE	29.95	26.95	24.95	21.95
155214	Mean Wellℛ✓	P40A-3P2JU	+12/3.33	2.1mm x 5.5mm F **2**	100-240@50-60	40	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	39.95	35.95	32.95	29.95
297693	Mean Wellℛ	P40A-3P2MU	+12/3.33	2.5mm x 5.5mm F **2**	100-240@50-60	40	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	31.95	29.95	27.95	25.95
2146151	Seasonic	SSA-0401D-12	+12/3.4	2.5mm x 5.5mm F **2**	90-264@47-63	40	Yes	4.5 x 1.9 x 1.4	3.3'/ 2	0.6	CUL/TUV/CB/CE/CEC	20.95	18.95	16.95	14.95
1952345	Mean Wellℛ🍃	GS40A12-P1J	+12/3.4	2.1mm x 5.5mm F **2**	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CEC	21.95	19.95	17.95	15.95
1940264	EDAC, Inc.ℛ	EA1050E	+12/3.5	2.1mm x 5.5mm F **2**	100-240@50-60	42	Yes	4.7 x 2.4 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CE	20.95	18.95	16.95	14.95
2135566	ReliaPro	CUP45-12	+12/3.75	2.5mm x 5.5mm F **2**†	100-240@50-60	45	Yes	5.0 x 2.3 x 1.2	4'/ 2	0.7	UL/CUL/CE	17.95	15.95	14.49	12.95
1940272	ReliaProℛ	GQ65-120416-EI	+12/4.16	2.1mm x 5.5mm F **2**	100-240@50-60	50	Yes	4.5 x 1.9 x 1.4	4'/ 2	0.6	UL/TUV/CE	26.95	24.95	22.95	20.95
2100216	ReliaPro	BPA-501-12	+12/4.2	2.5mm x 5.5mm F **2**	100-240@50-60	50	Yes	6.5 x 2.8 x 1.8	5'/ 2	0.7	UL/CSA/TUV	19.95	17.95	16.49	14.95
2129609	Phihongℛ	PSA65U-120	+12/5.0	2.1mm x 5.5mm F **2**	100-240@50-60	60	No	5.9 x 2.8 x 1.5	3.3'/ 2	1.0	UL/CUL/CE	17.95	15.95	14.49	12.95
1952370	Mean Wellℛ🍃	GS60A12-P1J	+12/5.0	2.1mm x 5.5mm F **2**	90-264@47-63	60	Yes	4.9 x 1.9 x 1.2	4'/ 2	0.7	UL/CUL/TUV/CEC	24.95	22.49	19.95	17.95
2129166	Sparkle Power 🍃	FSP060-DBAB1	+12/5.0	2.1mm x 5.5mm F **2**	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95
2099420	Sparkle Power 🍃	FSP060-DBAB1	+12/5.0	2.5mm x 5.5mm F **2**†	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CEC	27.95	24.95	22.95	19.95
2078291	Mean Wellℛ🍃	GS90A12-P1M	+12/6.67	2.5mm x 5.5mm F **2**	100-240@50-60	80	Yes	5.7 x 2.3 x 1.3	4'/ 2	0.9	UL/CUL/TUV/CEC	44.49	41.49	38.95	36.49
2129617	Lishenℛ	0219B1280	+12/6.67	4-pin DIN M	100-240@50-60	80	Yes	5.9 x 2.3 x 1.3	6'/ 2	1.0	UL/CUL/TUV	34.95	29.95	24.95	19.95
2146185	Seasonic	SSA-0901-12	+12/6.67	2.5mm x 5.5mm F **2**	90-264@47-63	80	Yes	5.4 x 2.2 x 1.3	3.3'/ 2	1.0	CUL/TUV/CB/CE/CEC	41.95	38.95	36.95	34.95
221429	Mean Wellℛ	U65S105-P2JU	+12/6.7	2.1mm x 5.5mm F **2**	100-240@50-60	80	Yes	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	44.49	41.49	38.95	36.49
2129211	Mean Well 🍃	GS120A12-R7B	+12/8.5	4-pin DIN M plug	85-264@47-63	120	Yes	6.6 x 2.6 x 1.4	4'/ 2	1.4	UL/CUL/TUV/CE	69.95	64.95	58.49	56.95
2099294	Mean Wellℛ	GS220A12-R7B	+12/15	4-pin DIN M	90-264/127-370@47-63	180	Yes	8.3 x 3.4 x 1.8	3.3'/ 2	2.4	UL/CUL/TUV/CE/PFC	109.95	97.95	89.95	84.95
2139006	ENG Electric	3G-301DN13	+13.5/2.2	4-pin Molex	100-240@50-60	30	No	4.6 x 1.9 x 1.2	2'6"/5'	0.8	UL/CUL	15.95	13.95	11.95	10.95
1940432	Mean Wellℛ🍃	GS18A15-P1JU	+15/1.2	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.49	16.49	14.49	12.95
1940619	Mean Wellℛ🍃	GS25A15-P1J	+15/1.66	2.1mm x 5.5mm F **2**	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CEC	16.49	14.95	13.49	12.49
243012	Mean Wellℛ✓	P30A-4P2JU	+15/1.8	2.1mm x 5.5mm F **2**	100-240@50-60	27	Yes	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
221577	Mean Wellℛ🍃	GS40A15-P1J	+15/2.67	2.1mm x 5.5mm F **2**	90-264@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/ 2	0.8	UL/CUL/TUV/CE/CEC	25.95	24.49	22.95	21.49
1954295	Mean Wellℛ	GS60A15-P1J	+15/4.0	2.1mm x 5.5mm F **2**	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	4'/ 2	0.7	UL/CUL/TUV/CE	28.95	26.95	24.95	22.95
2078320	Mean Wellℛ🍃	GS90A15-P1M	+15/6.0	2.5mm x 5.5mm F **2**	100-240@50-60	90	Yes	5.7 x 2.3 x 1.3	3'3"/ 2	0.8	UL/CUL/TUV/CEC	44.49	41.49	38.95	36.49
2145107	SYN Electronics	SYS-1097-4018	+18/2.2	2.1mm x 5.5mm F **2**	100-240@47-63	40	Yes	4.7 x 2.4 x 1.3	4"/ 2	0.7	UL/TUV/CE	19.95	17.95	16.49	14.95
2126117	ReliaProℛ	AI-36SG18-V2.1	+18/2.2	2.1mm x 5.5mm F **2**	90-264@47-63	40	No	3.4 x 2.0 x 1.3	6'/ 2	0.5	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95
243046	Mean Wellℛ	P66A-5P2JU	+18/3.66	2.1mm x 5.5mm F **2**	100-240@50-60	66	Yes	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	49.95	44.95	39.95	34.95
2099411	Sparkle Power	FSP090-DMCBI	+19/4.74	7 R/A plugs F **2**†	100-240@50-60	90	No	5.3 x 2.3 x 1.3	6'/5'	0.7	UL/CUL/TUV/CEC	49.95	47.95	45.95	42.95
2099761	Hi-Capacity	AC-C10K	+19/6.0	2.5mm x 5.5mm F **2**	100-240@50-60	120	Yes	6.6 x 2.4 x 1.5	4'/6'	1.0	UL/CUL/TUV/CE	44.95	39.95	34.95	29.95
1954279	Mean Wellℛ🍃	GS15A-6P1J	+24/0.62	2.1mm x 5.5mm F **2**	90-264@47-63	12	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CEC	14.95	13.49	11.95	10.95
1940459	Mean Wellℛ🍃	GS18A24-P1J	+24/0.75	2.1mm x 5.5mm F **2**	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CEC	15.95	14.49	13.49	12.49
1940635	Mean Wellℛ🍃	GS25A24-P1JU	+24/1.04	2.1mm x 5.5mm F **2**	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	18.95	16.95	14.95	13.49
380577	Mean Wellℛ	ES25A24-P1MU	+24/1.04	2.5mm x 5.5mm F **2**	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	19.95	17.95	15.95	13.95
2135494	SPC Technologyℛ	SB-241A5F-11	+24/1.5	2.1mm x 5.5mm F **2**	100-250@47-63	36	No	4.7 x 2.4 x 1.4	6'/ 2	0.8	UL/CUL/TUV/CE	22.95	20.95	18.49	16.95
1952353	Mean Wellℛ🍃	GS40A24-P1J	+24/1.67	2.1mm x 5.5mm F **2**	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	6'/ 2	0.7	UL/CUL/TUV/CEC	27.95	25.49	22.95	19.95

* See accessory table-top power cord chart on page 110 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle

✓ CEC Equivalent available. Add a "C" before part number for CEC version. 🍃 CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 112) for just $2.50 each. A 100 pc. minimum order applies.

See page 115 for International Power Cords

◆ Polarity 1 ⊕—◐—⊖ (center negative)
Polarity 2 ⊖—◐—⊕ (center positive)
Female(F) Male(M)

243012

2099411

1707083

229032

Female (F)

Male (M)

DIN (M)

Part No.	Manufacturer	Manufacturer Part No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)												★Web Code: DDZ			
1537256	ReliaPro	OH-1048A2401700U-U	+24/1.7	2.5mm x 5.5mm F **2**	90-264@47-63	40	Yes	4.5 x 2.0 x 1.3	6'/ 2	0.5	UL/CUL/CE	**$24.95**	**$22.49**	**$19.95**	**$17.95**
1940281	EDAC, Inc.	EA1050D	+24/2.08	2.1mm x 5.5mm F **2**	100-240@50-60	50	Yes	4.7 x 2.1 x 1.3	4'/ 2	0.6	UL/CUL/TUV/CEC	**24.95**	**22.49**	**19.95**	**17.95**
1942788	EDAC, Inc.	EA1050B240	+24/2.5	2.1mm x 5.5mm F **2**	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE/CEC	**24.95**	**22.49**	**19.95**	**17.95**
1952214	Mean Well	GS60A24-P1J	+24/2.5	2.1mm x 5.5mm F **2**	90-264@47-63	60	Yes	4.9 x 2.0 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CEC	**28.95**	**26.95**	**24.95**	**22.95**
1950913	EDAC, Inc.	EA1050B-240-1	+24/2.5	2.5mm x 5.5mm F **2**	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	**24.95**	**22.49**	**19.95**	**17.95**
2078338	Mean Well	GS90A24-P1M	+24/3.75	2.5mm x 5.5mm F **2**	100-240@50-60	90	No	5.9 x 2.3 x 1.2	4'/ 2	0.9	UL/CUL/TUV/CEC	**44.49**	**41.49**	**38.95**	**36.49**
2135208	Mean Well	GS120A24-P1M	+24/5.00	2.5mm x 5.5mm F **2**	85-264@47-63	120	Yes	6.6 x 2.6 x 1.4	4'/ 2	1.4	UL/CUL/TUV/CB/CE	**69.95**	**64.95**	**58.49**	**56.95**
2099286	Mean Well	GS220A24-R7B	+24/9.2	4-pin DIN M	90-264@47-63	220	Yes	8.3 x 3.4 x 1.8	3.3'/ 2	2.4	UL/CUL/TUV/CE/PFC	**109.95**	**97.95**	**89.95**	**84.95**
1707083	Mean Well	ES18A28-P1J	+28/0.64	2.1mm x 5.5mm F **2**	100-264@47-63	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CB/CE	**9.95**	**8.95**	**7.95**	**6.95**
1940643	Mean Well	GS25A28-P1JU	+28/0.89	2.1mm x 5.5mm F **2**	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/6'	0.7	UL/CUL/TUV/CEC	**18.95**	**16.95**	**14.95**	**13.49**
1940475	Mean Well	GS18A48-P1J	+48/0.37	2.1mm x 5.5mm F **2**	100-240@50-60	18	No	3.6 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CEC	**16.95**	**15.95**	**13.49**	**11.95**
1940651	Mean Well	GS25A48-P1J	+48/0.52	2.1mm x 5.5mm F **2**	100-240@50-60	25	No	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CEC	**14.95**	**13.49**	**12.95**	**11.49**
229032	Phihong	PSA31U-480	+48/0.63	2.1mm x 5.5mm F **2**	90-264@47-63	30	No	4.5 x 2.4 x 1.6	6'/ 2	0.5	UL/CUL/TUV/CE	**18.95**	**17.95**	**16.95**	**15.95**
221585	Mean Well	GS40A48-P1J	+48/0.84	2.1mm x 5.5mm F **2**	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/6'	0.8	UL/CUL/TUV/CE	**24.95**	**22.95**	**19.95**	**17.49**
172065	Mean Well	SPU50-9U	+48/1.25	2.1mm x 5.5mm F **2**	100-240@50-60	60	Yes	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CSA/TUV	**22.95**	**21.49**	**19.95**	**17.95**
1952396	Mean Well	GS60A48-P1JU	+48/1.25	2.1mm x 5.5mm F **2**	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	6'/6'	0.7	UL/CUL/TUV/CE/CEC	**28.95**	**26.95**	**24.95**	**22.95**
2100945	Mean Well	GS220A48-R7B	+48/4.60	4-pin DIN M	90-264@47-63	221	Yes	8.3 x 3.3 x 1.8	3.3'/ 2	2.4	UL/CUL/TUV/CB/CE	**109.95**	**97.95**	**89.95**	**84.95**
3-Wire AC Input – Regulated Switching Table-Top – Double & Triple Output												★Web Code: TDO			
196270	Horizon	PSU25A13	+5/2.5, +12/1.0	4-pin mini DIN M	100-240@47-63	25	No	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	**$34.95**	**$31.49**	**$28.95**	**$25.95**
2125501	Entone	SPU45E-201	+5/5.0, +12/2.0	4-pin mini DIN M	100-240@47-63	49	Yes	5.7 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	**29.95**	**24.95**	**21.95**	**17.95**
2138880	XP Power	AEH45UM23	+5/5.0, +12/2.0	5-pin DIN M	100-240@47-63	42	Yes	5.7 x 3.0 x 1.7	4'/ 2	1.3	UL/CUL/TUV/CE	**24.95**	**22.95**	**19.95**	**15.95**
221720	Mean Well	P25A14E-R1BU	+5/2.5, +15/0.3 -15/0.3	5-pin DIN M	100-240@50-60	25	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	**34.95**	**31.49**	**28.95**	**25.95**
190960	Mean Well	P25A13D-R1B	+5/2.5, +12/0.8 -12/0.3	5-pin DIN M	100-240@50-60	26	Yes	4.1 x 2.6 x 1.4	6'/ 2	1.1	CUL/TUV/CE	**39.95**	**35.95**	**32.95**	**29.95**
221702	Mean Well	P50A13D-R1BU	+5/4.0, +12/2.0 -12/0.5	5-pin DIN M	100-240@50-60	50	Yes	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	**49.95**	**44.95**	**39.95**	**35.95**
237367	Mean Well	P50A14E-R1B	+5/3.5, +15/1.2 -15/0.3	5-pin DIN M	100-240@47-63	42	Yes	5.8 x 3.0 x 1.7	4'/ 2	1.2	UL/CUL/TUV/CE	**49.95**	**44.95**	**39.95**	**35.95**

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord CEC

† Includes 7 DC right angle plugs (1.7 x 4.75, 1.7 x 5.5, 2.1 x 5.5, 2.5 x 5.5, 3.0 x 6.3, 4.3 x 6.5, 5.8mm x 6.5mm) for various notebook compatibility

189587

38050

Accessory Power Input Cords for Table-Top Power Supplies

★Web Code: UBF

1951123

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
189587	1	2-conductor power cord (Figure 8 style)	Black	18/2	UL/CSA	6'	0.3	SPT	**$2.95**	**$2.69**	**$2.39**	**$2.19**
38050	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	**4.95**	**4.49**	**3.95**	**3.59**
1953559	3	3-conductor flat power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SPT-2	**1.95**	**1.75**	**1.49**	**1.25**
1951123	3	3-conductor round power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SVT	**4.95**	**4.49**	**3.95**	**3.49**

*These reference numbers for "AC cord needed" for Table-Top Power Supplies on pages 108-110

More Power Cords on page 116

velleman 24-Watt Switching Table-Top Power Supply

Interchangeable AC & DC Plugs with Selected DC Outputs

- **Input voltage: 100-240VAC @ 50-60Hz**
- Output current: 2A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm & 1.7mm x 4mm
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China (included)
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC

Part No.	Mfr. Part No.	Size (L x W x H)	1	10	25
1537491	PSSMV3	4.7" x 3.3" x 2.5".................	**$39.95**	**$35.95**	**$32.95**

velleman 36-Watt Switching Table-Top Power Supply

- **Output voltage: 5VDC to 24VDC in 1V increments**
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm & 2.5mm x 5mm
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input voltage: 100-240VAC @ 50/60Hz
- Short-circuit, overload protection
- LED power indicator

Includes: AC power cord

Part No.	Mfr. Part No.	Output Current	Size (L x W x H)	1	10	25
1537521	PSSMV7U	1.5A to 4A	3.5" x 1.8" x 1.2" ..	**$49.95**	**$44.95**	**$39.95**

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

GlobTek®

AC-to-DC Medical Table-Top Regulated Switching Power Supplies

★Web Code: WBM

- **2.5mm x 5.5mm female center positive**
- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- Isolation voltage: 4,000VAC • 3-wire AC input
- Ripple & noise: 1% or 100mV, whichever is smaller
- Cord lengths: DC: 6'; AC: not included use P/N 115078, pg 116
- Size: 2.9"L x 2.0"W x 1.6"H

Part No.	Mfr. Part No.	Power (W)	Output VDC/Amps	Pricing 1	10	25	100
230683	TR9CE1250CPℛ	15.6	+12/1.3	$34.95	$29.95	$24.95	$22.49
230763	TR9CE4000LCP	49.2	+12/4.1	59.95	53.95	47.95	42.95
230798	TR9CI2100LCP	50.4	+24/2.1	59.95	53.95	47.95	42.95

★*Interchangeable Power Supplies, Adapters and Tips — Enter Web Code NBH*

5VDC@0.5A Interchangeable Wall Plug Adapter

With USB Socket Type A

- **Voltage output: 5VDC @ 0.5A** • Efficiency: 55% (typical)
- Voltage input: 90-264VAC @ 47-63Hz
- Leakage current: 0.20µA max. • UL/CUL/TUV/CE approved
- Wall plug clips not included; use P/N 229181
- Use interchargeable tips P/N 2081625 • Size: 2.97"L x 1.81"W x 1.25"H

Part No.	Product No.	1	10	50	100
662805	PSC30R-050ℛ	$8.95	$7.95	$6.95	$5.95

5VDC @ 200mA Wall Adapter

- Works with digital camera, cell phones, PDA, MP3 and other USB devices • TUV/FCC approved
- Output voltage: 5VDC @ 200mA
- Input voltage: 100-240VAC @ 50/60Hz
- Size: 2.5"H x 1.5"W x 0.8"D • Cable and tips use P/N 2081625

Part No.	Mfr. Part No.	1	10	50	100
2138636	SW013US-0500020US	$4.95	$4.49	$3.95	$3.59

90-Watt Universal Desktop Power Supply

Interchangeable output connectors for different devices.

- Input voltage: 100-240VAC @ 50-60Hz
- Output voltage: 5V @ 1A (USB), 5-24V @ 6A max.
- Output power cord has a 6-pin mini DIN female, 5'2" long
- Input power cord length: 4'6"
- Output cord has LCD display to indicate output voltage
- For USB power cable use P/N 2081625

Includes: 3-prong mickey mouse type AC power cord, 8 output connectors (1.7mm x 4.8mm, 3mm x 6.3mm, 2.1mm x 5.5mm, (2) 2.5mm x 5.5mm, 3mm x 5.5mm, (2) 4.3mm x 6mm)

NEW MARKED IN PINK

Part No.	Product No.	Size (L x W x H)	1	10	50
2145166	LS-PAB90ALℛ	47.9" x 2.3" x 1.1	$49.95	$44.95	$39.95

USB-A Power Cable with Interchangeable Tips

- 4' cable • 26 AWG
- USB-A male connector • UL/CSA approved
- Tips: 1.3mm x 5.5mm female, 1.5mm x 4.8mm female, 1.7mm x 4.8mm female, 2.1mm x 5.5mm female, 2.5mm x 5.5mm female, 2.9mm x 6.3mm female, 1.3mm x 3.3mm female, and 1.3mm x 4.3mm female
- For use with P/N 662805 wall adapter (see above)

Part No.	Product No.	1	10	50	100
2081625	USBAC8	$5.95	$4.95	$4.49	$3.95

JENSEN

Cigarette Lighter Car Power Adapter

- Switch selectable 1.5V, 3V, 4.5V, 5V, 6V, 9V and 12V
- DC power plugs: 2.5mm x 5mm, 2.1mm x 5mm, 1.5mm x 5mm, 1.7mm x 4mm, 1.3mm x 3.5mm and 0.7mm x 2.35mm
- Powers portable electronic devices such as MP3 players, cell phones, etc. • Cord length: 5'
- Reversible plug for center positive or negative polarity
- Switching power supply provides 1000mA from cigarette lighter plug

Part No.	Mfr. Part No.	1	10	50	100
155230	JCD22A	$5.95	$4.95	$4.49	$3.95

Auto/Air Cigarette DC/DC Power Adapter

- Input voltage: 11VDC to 16VDC @ 10A max.
- Input connector: cigarette plug, fused (15A @ 250V)
- Output connector: interchangeable tips of 2.1mm F, 2.5mm F, 3.5mm M
- Input/output cord length: 42"/48"
- Color: black with LED power indicator

Part No.	Product No.	Size (L x W x H)	1	10	50	100
2099770	AA-5001G	4.7" x 2.0" x 1.0	$5.95	$4.95	$4.49	$3.95

Male & Female Power Jacks

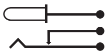
★Web Code: BAM

Part No.	Mfr.	Product No.	Description	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (see right)	1	10	100
101194	ValuePro	PP024ℛ	1.3mm male	6.0 x 6.0 x 9.0	1/D	1/B	1.3 mm F	$.59	$.55	$.45
101178	ValuePro	PP014	2.1mm male	10.9 x 9.0 x 14.5	2/D	1/A	2.1 mm F	.39	.35	.29
101179	ValuePro	PP014ℛ	2.1mm male	10.9 x 9.0 x 14.5	2/D	1/A	2.1 mm F	.45	.39	.35
137673	ValuePro	PP013ℛ	2.1mm male	10.9 x 9.0 x 14.5	3/D	4/A	2.1 mm F	.45	.39	.35
151590	ValuePro	DPJ-02IAℛ	2.1mm male	18.0 x 12.6 Dia.	4/C†	1/A	2.1 mm F	.89	.79	.69
151555	ValuePro	DPJ-026ℛ	2.1mm male	21.0 x 8.0 Dia.	5/E	1/A	2.1 mm F	1.49	1.35	1.19
159611	ValuePro	PJ1014Aℛ	2.1mm male	57.5 x 12.6 Dia.	6/F	3/A	2.1 mm F	1.75	1.59	1.39
281851	Switchcraft	722Aℛ	2.1mm male	15.1 x 7.5 Dia.	7/C	1/A	2.1 mm F	2.75	2.49	2.25
2151136	ValuePro	HD2388Cℛ	2.1mm male	12.4 x 7.7 Dia.	8/C*	3/A	2.1 mm F	1.19	.99	.89
2144690	ValuePro	L5225	2.1 mm male	11.0 x 9.1 x 14.7	14/D	1/A	2.1 mm F	.35	.29	.19
207714	ValuePro	HEC0470	2.5 mm male	11.0 x 9.0 x 14.5	2/D	1/B	2.5 mm F	.55	.49	.39
101186	ValuePro	PP014A	2.5 mm male	11.0 x 9.0 x 14.5	2/D	1/A	2.5 mm F	.49	.45	.29
101187	ValuePro	PP014Aℛ	2.5 mm male	11.0 x 9.0 x 14.5	2/D	1/A	2.5 mm F	.55	.49	.45
151563	ValuePro	DPJ-026Aℛ	2.5 mm male	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm F	1.49	1.35	1.19
159506	ValuePro	PJ1015Aℛ	2.5 mm male	57.5 x 12.6 Dia.	6/F	3/A	2.5 mm F	1.49	1.35	1.19
202358	ValuePro	HD2388	2.5 mm male	12.4 x 7.7 Dia.	8/C*	3/A	2.5 mm F	1.19	.99	.89
281842	Switchcraft	712Aℛ	2.5 mm male	15.8 x 7.5 Dia.	7/C	1/A	2.5 mm F	4.95	4.49	3.95
297553	Switchcraft	PC712Aℛ	2.5 mm male	23.3 x 11.0 Dia.	9/D	1/A	2.5 mm F	4.95	4.49	3.95
297529	Switchcraft	L712Aℛ	2.5 mm male	23.3 x 11.0 Dia.	10/C	1/A	2.5 mm F	4.49	3.95	3.59
2144745	ValuePro	J25M	2.5 mm male	11.1 x 8.9 x 13.4	15/C	1/A	2.1 mm F	.55	.49	.39
101143	ValuePro	PJ0352ℛ	3.5 mm female	10.0 x 10.0 x 18.5	11/E	2/A	3.5 mm M	.49	.45	.39
109496	ValuePro	PJ035PMℛ	3.5 mm female	10.5 x 9.0 x 20.0	12/C	2/A	3.5 mm M	.49	.45	.39
165730	ValuePro	PJ0354Rℛ	3.5 mm female	15.5 x 5.9 Dia.	13/C	3/A	3.5 mm M	.79	.69	.59

† Center offset *Plastic

Terminals	Code
Solder eyelet	A
PC board	B

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F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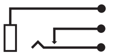
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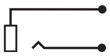
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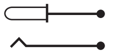
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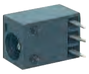
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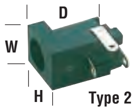

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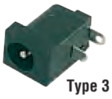
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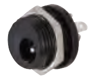
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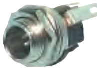
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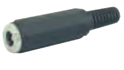
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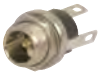
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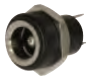
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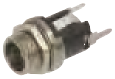
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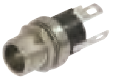
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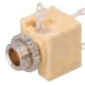
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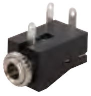
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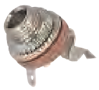
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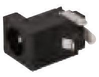
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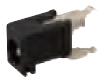
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★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

DC Power Plugs & Adapters

JAMECO ValuePro

★Web Code: MFP

Part No.	Mfr.	Product No.	Fig.	Description (Barrel) Plug ID x OD x L (mm)	Strain Relief ID x L (mm)	1	10	100
71192	ValuePro	PP137ℛ	1	**F** plug, 1.3 x 3.5 x 9.5	4.1 x 12 (black)	$.79	$.69	$.65
1537395	ValuePro	PL-005ℛ	2	**F** plug, 1.3 x 3.5 x 9.4 (rt. angle)	2.8 x 11	.89	.79	.69
2098013	ValuePro	DCP-111ℛ	1	**F** plug, 1.7 x 5.5 x 9.8	4.6 x 12 (black)	.89	.79	.69
191484	ValuePro	PP049W	1	**F** plug, 2.1 x 5.5 x 9.0	4.6 x 12.5 (white)	.79	.69	.65
2004890	ValuePro	PP049S	1	**F** plug, 2.1 x 5.5 x 9.5	4.5 x 12.5 (black)	.79	.69	.65
297617	Switchcraft	S760ℛ	3	**F** plug, 2.1 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.49	2.95
28760	ValuePro	PP049ℛ	1	**F** plug, 2.1 x 5.5 x 9.5 (P205)	4.1 x 12 (black)	.79	.69	.55
2145123	ValuePro	CS1021-A-12MM	1	**F** plug, 2.1 x 5.5 x 12	4.3 x 12 (black)	.89	.79	.69
138587	ValuePro	PJ021ℛ	2	**F** plug, 2.1 x 5.5 x 12 (rt. angle)	2.8 x 11 (black)	.89	.79	.65
147329	ValuePro	PP049Lℛ	1	**F** plug, 2.1 x 5.5 x 14 (P205L)	4.3 x 12 (black)	.89	.79	.65
190538	ValuePro	PP109Sℛ	1	**F** plug, 2.5 x 5.5 x 9.5	4.7 x 13 (black)	.89	.79	.65
281877	Switchcraft	760ℛ	3	**F** plug, 2.5 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.59	3.25
28768	ValuePro	PP109ℛ	1	**F** plug, 2.5 x 5.5 x 9.5 (P206)	4.7 x 13 (black)	.89	.79	.65
2145115	ValuePro	CS1021-B-12MM	1	**F** plug, 2.5 x 5.5 x 12	4.3 x 12 (black)	.89	.79	.69
147336	ValuePro	PP109Lℛ	1	**F** plug, 2.5 x 5.5 x 14 (P206L)	4.2 x 12 (black)	.79	.69	.59
168242	ValuePro	PP109Nℛ	3	**F** plug, 2.5 x 5.5 x 14	3.9 x 22 (black)	.69	.59	.55
2099163	ValuePro	PL-008ℛ	2	**F** plug, 2.5 x 5.5 x 9.5 (rt. angle)	2.8 x 11	.95	.85	.75
101135	ValuePro	PJ1025	4	**M** plug, — x 2.5 x 11 (P201)	4.3 x 13 (black)	.69	.59	.49
231176	ValuePro	AP-340ℛ	4	**M** plug, — x 3.5 x 14 (stereo)	4.3 x 13.5 (black)	.79	.69	.55
231167	ValuePro	AP-343	5	**M** plug, — x 3.5 x 14 (stereo)	4.4 x 13 (metal)	1.49	1.25	.99
231160	ValuePro	PJ1035ℛ	5	**M** plug, — x 3.5 x 14 (mono)	4.8 x 13.5 (metal)	1.49	1.25	.99
101152	ValuePro	PJ1035ℛ	4	**M** plug, — x 3.5 x 14.5 (P202)	4.0 x 13 (black)	.69	.59	.49
2113703	ValuePro	JR1826ℛ	6	Adapter, 2.1mm **M** to 1.7mm **F** (1.7"L)	—	1.39	1.19	.95
2112989	ValuePro	JP1828Cℛ	6	Adapter, 2.1mm **M** to 1.3mm **F** (1.3"L)	—	1.49	1.25	.99
1953591	ValuePro	DCJ2.1-DCP2.5ℛ	6	Adapter, 2.1mm **M** to 2.5mm **F** (1.4"L)	—	1.49	1.25	.99
2113009	ValuePro	JP1829ℛ	6	Adapter, 2.5mm **M** to 1.3mm **F** (1.3"L)	—	1.49	1.25	.99
2113711	ValuePro	Jr1827ℛ	6	Adapter, 2.5mm **M** to 1.7mm **F** (1.7"L)	—	1.29	1.19	.95
1953604	ValuePro	DCJ2.5-DCP2.1ℛ	6	Adapter, 2.5mm **M** to 2.1mm **F** (1.4"L)	—	1.29	1.19	.95

DC Cords with Pigtail – 6' length

Part No.	Mfr.	Cross Ref. No.	Fig.	Description (Barrel) ID x OD x L (mm)	AWG	1	10	100
2113674	ValuePro	DCCORD1.3ℛ	7	Plug, 1.3 x 5.5 x 12	24 (black)	$1.15	$.99	$.89
2114706	ValuePro	6FT#245.5X1.7ℛ	7	Plug, 1.7 x 5.5 x 12	24 (black)	1.15	.99	.89
2114693	ValuePro	DCCORD1.7ℛ	8	Jack, 1.7 x 5.5 x 12	24 (black)	1.15	.99	.89
2096763	ValuePro	DCCORD2.1ℛ	7	Plug, 2.1 x 5.5 x 12	24 (black)	1.59	1.39	1.15
2114600	ValuePro	6FT#245.5X2.1ℛ	8	Jack, 2.1 x 5.5 x 12	24 (black)	1.59	1.39	1.15
2096771	ValuePro	DCCORD2.5ℛ	7	Plug, 2.5 x 5.5 x 12	24 (black)	1.59	1.39	1.15
2114597	ValuePro	6FT#245.5X2.5ℛ	8	Jack, 2.5 x 5.5 x 12	24 (black)	1.59	1.39	1.15

DC Extension Power Cables

Part No.	Mfr.	Cross Ref. No.	Fig.	Description (Barrel) ID x OD x L (mm)	AWG	1	10	100
2099147	ValuePro	DCEXTCORD2.1- 3FTℛ	9	2.1F x 2.1M x 3' cable	18 (black)	$1.95	$1.75	$1.59
2099121	ValuePro	DCEXTCORD2.1- 6FTℛ	9	2.1F x 2.1M x 6' cable	18 (black)	2.49	2.25	1.95
2099155	ValuePro	DCEXTCORD2.5- 3FTℛ	9	2.5F x 2.5M x 3' cable	18 (black)	1.95	1.75	1.59
2099139	ValuePro	DCEXTCORD2.5- 6FTℛ	9	2.5F x 2.5M x 6' cable	18 (black)	2.49	2.25	1.95

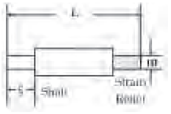


Fig. 1
Strain Relief

Fig. 2

Fig. 3
Hard Plastic
Strain Relief

Fig. 4
Strain Relief

Fig. 5
Metal Strain Relief

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Automobile Fused Power Plugs with Cords

JAMECO ValuePro

- Accepts .25" x 1.25" fuse

115002: Screw assembly with strain relief (no cord)

124760: 3' cord w/ pigtail

115002

124760

Part No.	Mfr.	Fuse	1	10	100
115002	ValuePro	5A/250VACℛ	$2.25	$1.99	$1.79
124760	ValuePro	3A/250VACℛ	2.49	2.25	1.99

We specialize in Wall Adapters. Call for additional OEM pricing.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see left) for just $2.50 each. A 100 pc. minimum order applies.

International Step-Up & Step-Down Transformers

JAMECO ValuePro

★Web Code: RAL

Part No.	Product No.*	Fig.	Type	Volt Step	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions H"	Dimensions W"	Dimensions D"	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 25
85008	GPC-1003R	2/A	Auto	Up	110VAC	220VAC	300	3.50	3.05	3.95	4.8	$49.95	$44.95	$39.95
221331	GIS-500ℛ	2/A	Isolation	—	115VAC	115VAC	500	4.69	3.75	6.00	16.0	89.95	79.95	69.95
221217	P8689	2/A	Auto	Up	115VAC	230VAC	1000	4.63	3.75	6.13	17.0	89.95	79.95	69.95
99573	GS50R	1/B	Auto	Down	220VAC	110VAC	50	2.50	1.63	1.33	0.7	9.95	8.95	7.95
85016	GPC1003	2/B	Auto	Down	220VAC	110VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
111851	GPC1005	2/B	Auto	Down	220VAC	110VAC	500	3.99	3.60	4.84	8.5	69.95	62.95	56.95
222092	GISD-1000	2/A	Auto	Down	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	79.95	69.95	59.95
142906	GPC1015	2/B	Auto	Down	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	89.95	79.95	69.95

*Manufacturer may vary

Fig. 1

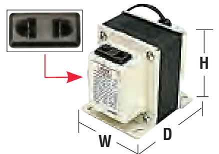


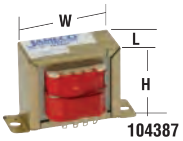
Fig. 2

Fig. A
Plug

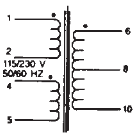
Fig. B
Plug

Output
Receptacle

- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder



104387



Quick-Connect Power Transformers

JAMECO ValuePro

★Web Code: BAN

Part No.	Product No.	Triad Cross*	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions L"	Dimensions W"	Dimensions H"	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 25
104387	XFR1225Q	FD612	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	$12.95	$11.95	$10.95
104409	XFR1635Qℛ	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	15.95	14.49	12.95
101864	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	12.95	11.49	9.95
104417	XFR3615Qℛ	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	17.95	16.95	15.95

† Terminal solder lugs are on same side   *Triad cross is for reference only

ℛ RoHS compliant product   + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

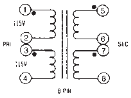
JAMECO ValuePro

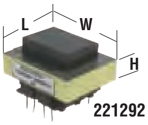
Split-Bobbin Power Transformers (2.5 to 12VA)

★Web Code: LBK

Non-concentrically wound w/ primaries & secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement





221292

Part No.	Product No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions L"	Dimensions W"	Dimensions H"	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 100
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	**$6.95**	**$6.25**	**$5.59**
102593	XFR2405SBℛ	FS24500	115/230	12	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	**7.95**	**6.95**	**5.95**

* Triad cross is for reference only

JAMECO ValuePro

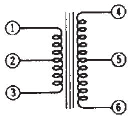
Power Transformers (7.6 to 288VA)

★Web Code: JAM

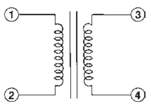
Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

- Primary: 115VAC or 115/230VAC, 50-60Hz

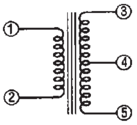
29226



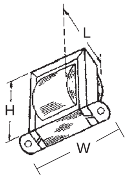
115/230VAC 50-60Hz
Fig. 1



115VAC 50-60Hz
Fig. 2



115VAC 50-60Hz
Fig. 3



Part No.	Product No.	Triad Cross#	Primary Color Code			VA	Secondary Voltage	Secondary Color Code			Lead Type	Fig.	Dimensions L"	Dimensions W"	Dimensions H"	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 100
102163	XFR6102ℛ	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	1	1.84	2.40	1.67	0.8	**$10.95**	**$9.95**	**$8.95**
105524	XR082-91-Rℛ	—	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	1	1.82	2.43	1.67	0.7	**10.95**	**9.95**	**8.95**
221400	P-8657ℛ	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	2	1.89	2.75	1.99	1.3	**10.95**	**9.95**	**8.95**
221356	P-8658	F219X	Black	—	Black	48.0	12VAC @ 4A	White	—	White	Wire	2	2.25	4.00	2.63	2.3	**12.95**	**11.95**	**10.95**
29226	XFR122ℛ	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	3	2.41	2.79	1.99	1.5	**13.95**	**12.49**	**10.95**
102155	XFR1220ℛ	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	1	2.35	2.32	1.97	1.5	**13.95**	**12.49**	**10.95**
149771	XFR1240ℛ	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.45	3.20	2.25	2.2	**14.95**	**13.49**	**10.95**
102121	XFR124ℛ	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	3	2.45	3.21	2.26	2.7	**14.95**	**13.49**	**10.95**
105532	XFR1810ℛ	—	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	1	2.20	2.81	1.99	1.2	**9.95**	**8.95**	**7.95**
149957	XFR1820ℛ	—	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	1	2.25	3.15	2.71	1.8	**11.95**	**10.95**	**8.95**
221382	P8396ℛ	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	3	1.63	2.80	1.97	0.6	**8.95**	**7.95**	**6.95**
102112	XFR2410ℛ	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	1	2.41	2.80	1.99	1.5	**10.95**	**9.95**	**7.95**
221373	P-8662ℛ	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	3	2.44	3.60	2.23	2.3	**13.95**	**12.49**	**10.95**
112513	XFR242Nℛ	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	2	2.33	3.16	2.28	1.8	**13.95**	**12.49**	**10.95**
221365	P-8663ℛ†	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	3	2.81	2.94	4.00	4.0	**25.95**	**23.95**	**21.49**
221411	P-8666ℛ†	F226U	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	3	4.63	3.75	4.63	11.2	**65.95**	**59.95**	**49.95**
99654	XFR242ℛ	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	3	2.44	3.22	2.30	2.5	**12.95**	**11.49**	**9.95**
102104	XFR2520ℛ	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	1	2.45	3.22	2.26	2.8	**13.95**	**12.49**	**9.95**
149797	XFR2820ℛ	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	1	2.45	3.22	2.26	2.3	**13.95**	**12.49**	**9.95**

† Solder terminals * Center tap # Triad cross is for reference only

PC Mount Modem Coupling Transformer

JAMECO ValuePro

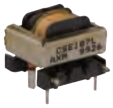
- Core type: EI-14
- Insulation resistance: 100MΩ
- ±20% impedance matching and DC resistance matching
- Hipot tested: 1000VAC
- Vacuum wax impregnated

Part No.	Product No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	Resistance (Ω) Primary	Resistance (Ω) Secondary	Pricing 1	Pricing 10	Pricing 100
125357	XFR6006A14ℛ	600CT	600CT	65	55	**$3.49**	**$2.95**	**$2.75**

TRIAD Low Frequency Current Sensing Transformer

May be used to monitor current 0.1-30A @ frequencies 50-400Hz.

- Turns ratio: 1:500
- Hi-pot: 500V
- Typical output: 110mV/amp
- Burden resistor: 60Ω



Part No.	Mfr. Part No.	Sen DCR	Primary DCR	1	10	100
627591	CSE187L	21Ω max.	250μΩ max.	**$4.49**	**$3.95**	**$3.59**

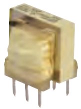
TRIAD Current Sensing Transformer

- Frequency range: 20-200kHz
- Minimum inductance: 3.5mH
- Primary is inserted thru hole in casing
- Arrow side of primary conductor has same polarity as pin #1

Part No.	Mfr. Part No.	DCR	Primary Arms	1	10	100
627621	CST306-1A	0.34Ω max.	35	**$4.49**	**$3.95**	**$3.59**

TRIAD PC Mount Data/Voice Dual Transformer

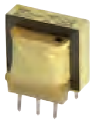
- Frequency range: data voice: 300 – 3500Hz; data: 800 to 3500Hz
- Trans-hybrid loss: 50dB
- Dielectric strength FCC68.304: 1500V
- Power level: -45dBm to +7dBm
- Meets FCC part 68.310: 60dB min., 200-1000Hz; 45dB min., 1000-4000Hz



Part No.	Mfr. Part No.	Impedance (Ω) Primary	Impedance (Ω) Secondary	DC Current (mA) max.	Typical Loss dB Insertion	Typical Loss dB Return	Pricing 1	Pricing 10	Pricing 50
630475	TY-300P	600 (4W)	600/600	0	0.8	30	**$5.95**	**$4.95**	**$4.49**

TRIAD PC Mount Audio Transformer

- mpedance matching: 10% over frequency range
- 6-pin PC mount
- Output: 100mW
- Impedance (Ω): 600CT/600CT
- Primary DC Unbalance: 15mA



Part No.	Mfr. Part No.	Dimensions (W x D x H)	1	10	100
630459	TY-145Pℛ	13/16" x 9/32" x 5/8"	**$4.49**	**$3.95**	**$3.49**

JAMECO ValuePro

Current Sensing Transformer

- Frequency range: 10-50 kHz
- Inductance: 5mH
- Turns: 60
- Sensitivity current (I_{in}): 1A
- Sensitivity voltage (V_{out}): 1V
- Terminating resistor: 50Ω
- Max. current: 300mA

Part No.	Product No.	Dimensions (W x D x H)	1	10	100
164718	MTC30101	0.7" x 0.46" x 0.8"	**$2.95**	**$2.59**	**$2.39**

★*Audio Transformers Online — Enter Web Code SAJ*

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

500 to 2000VA Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch

121276

Part No.	Fuse	Size (W" x D" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	5	25
121276	500VA trans.ℛ	$139.95	$129.95	$119.95
129008	1000VA trans.ℛ	169.95	154.95	129.95
152582	2000VA trans.ℛ	249.95	224.95	199.95

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 74
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H • Panel mount
- Weight: 2.5 lbs. • One-year warranty

Includes: 3 disconnect .25" solderless terminals

Part No.	Product No.	1	5	25
149324	PSV-203-Rℛ	$59.95	$53.95	$47.95

***Variable Transformers Online — Enter Web Code MAR**

Class 1 Current Transformer

- Maximum voltage: 660VAC
- Frequency: 50-60Hz
- Ratio: 200A/5A; 5VA
- Size: 2.95"W x 1.70"D x 3.36"H
- Weight: 1.1 lbs. • Power: 5VA

Part No.	Product No.	1	10	100
174887	MSQ30	$9.95	$8.95	$7.95

300VA Isolation Transformer 120VAC to 120VAC

- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Input voltage: 120VAC @ 60Hz
- Size: 3.2"W x 4.6"D x 4.2"H • Weight: 7.0 lbs.

Part No.	Product No.	1	5	25
181315	ITR300	$44.95	$39.95	$34.95

550VA Variable AC Transformer

- Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A • Panel mount
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- One-year warranty

Part No.	Product No.	1	5	25
152937	PSV-264-Rℛ	$74.95	$69.95	$64.95

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.

218174

1952901

- Impedance at 100MHz between 75-225Ω min.
- Color: black (except P/N 2095402: white)

Round

Part No.	InDia.	OutDia.	Length	1	10	100
218174 ℛ	.20"	.64"	1.15"	$1.25	$.99	$.75
2095402	.30"	.78"	0.77"	.79	.69	.59
217842 ℛ	.34"	.78"	1.40"	1.49	1.25	.99
2081810	.38"	1.0"	0.65"	.79	.69	.59

Square

Part No.	InDia.	Width	Height	Length	1	10	100
2094987	.20"	.55"	.59"	1.40" ..	$.99	$.85	$.75
1952901	.25"	.70"	.77"	1.30"	.79	.69	.59
1536958 ℛ	.40"	.87"	.87"	1.27"	.99	.85	.75

6kV-7.4kV High Voltage Power Supply

- Input voltage range: 113VAC to 132VAC
- Input lead wires: 22 AWG UL1015, 7.5"L; AC hot (black), AC COM (white), HV RTN (green)
- Output voltage: 6.0kV to 7.4kV A@ 120VAC
- Output lead wires: 22 AWG UL3239, 10" (pink)
- UL94V-0 rated encapsulant filled epoxy • Size: 3.0"L x 1.2"W x 1.0"H

MADE IN USA

Part No.	Product No.	Description	1	10	50	100
2100136	CS2080A3	High voltage power supply	$6.95	$4.95	$4.49	$3.95

International Step-Up/ Step-Down Autotransformer

- Input voltage: 110/200/220/240V
- Output voltage: 110/220V
- Power: 80 watts continuous/ 100 watts intermittent
- On/off switch
- Fuse protected
- Two free spare fuses • CE certification
- European to US adapter on power cable
- Universal European/US output receptacles
- Dimension: 5.2"L x 3.7"W x 3.5"H

Part No.	Product No.	1	10	25
2082599	VC-100	$12.95	$11.95	$10.95

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)

- Rated voltage: 115/250VAC • Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

***Web Code: ACR**

Photos on next page

EMI Power Entry Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

EMI Line Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

Part No.	Mfr.	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (in.) A	B	C	D	Pricing 1	10	100
1951511	Delta†	01GEEG3E (1ED1)	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	$2.95	$2.59	$2.25
210913	Delta†	01GEEW3E (1ED8)	Power entry filter, straight (screw flanged)	2	1	2250	4" Wires	Wire	UL/CSA/VDE	1.89	1.19	0.86	1.58	1.95	1.75	1.49
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	3	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	1.25	1.19	.99
1172613	Tyco	1EGG1-2ℛ	Pwr entry filter, straight, fused (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.62	1.29	1.44	1.27	.99	.79	.69
1951545	Delta	01DKAG5	Line filter	5	1	2250	Faston	0.25"	UL/CSA/VDE	2.92	1.98	0.87	2.39	1.49	1.25	1.09
2133683	Schaffner	FN291E-2.5-05	Power entry filter, straight (screw flanged)	19	2.5	1700	Faston	0.25"	—	1.26	2.80	1.10	2.35	3.95	3.59	3.25
2126248	Tyco*	3EHG1-2-Rℛ	Power entry filter, straight (screw flanged)	4	3	1550	Faston	0.25"	UL/CSA/VDE	2.15	1.13	1.29	1.42	5.95	4.49	3.95
667438	ValuePro	YB03A1 (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.23	1.19	0.89	1.58	4.95	4.49	3.95
150616	ValuePro	03AC1ℛ	Power entry filter, straight (screw flanged)	6	3	2250	Solder	0.16"	UL/CSA/VDE	2.05	1.19	0.89	1.58	3.95	3.59	3.25
1951537	Delta†	03GEEW3E-R (3ED8)	Power entry filter, wire (screw flanged)	2	3	2250	4" Wire	Wire	UL/CSA/VDE	1.90	1.19	0.87	1.58	1.95	1.75	1.49
2114116	Adam Tech	PLF-3PCℛ	Line filter, metal case (PC mount)	18	3	250	Solder	0.039"	UL/CSA/VDE	0.984	0.984	0.787	—	6.69	6.29	5.69
1954720	Delta	04BEEG3S	Power entry filter, straight, fused (screw flanged)	1	4	2250	Faston	0.25"	UL/CSA/VDE	2.26	1.19	1.26	1.40	1.75	1.29	.99
1951570	Delta†	05DRDG3S (5ER7)	Power entry filter, 6-32 threaded panel mount	7	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	2.49	1.95	1.75
2114124	Adam Tech	PLF-6DZ2KRℛ	Pwr entry filter, strght, fuse & sw. (scrw flngd)	17	6	250	Faston	0.25"	UL/CSA/VDE	1.968	2.559	2.394	1.154	9.95	8.95	7.95
667462	ValuePro	YB06T1	Power entry filter, straight (screw flanged)	1	6	2250	Solder	0.25"	UL/CSA/VDE	2.10	1.19	0.89	1.58	3.59	3.25	2.95

† High Performance; Increased filtering; Added bleeded resistor; More safety agencies

* Medical version, use with 5 x 20mm fuse

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320) (Continued)

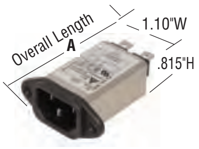


Fig. 1
Faston

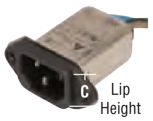


Fig. 2
Wire

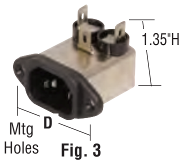


Fig. 3
Right Angle

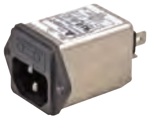


Fig. 4
Faston

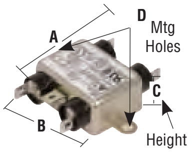


Fig. 5
Line Filter

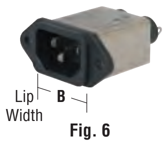


Fig. 6
Solder Terminal

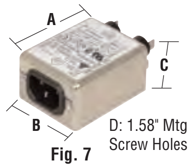


Fig. 7
6-32 Panel Mount

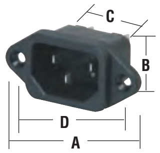


Fig. 8

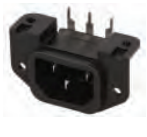


Fig. 9

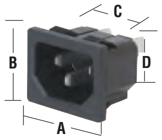


Fig. 10

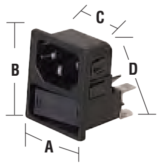


Fig. 11

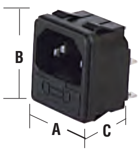


Fig. 12

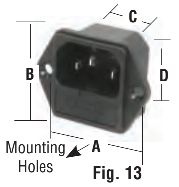


Fig. 13

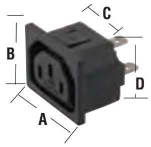


Fig. 14

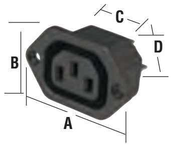


Fig. 15

- Rated voltage: 115/250VAC
- Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

EMI Power Entry Filter: Maximum leakage current each line to ground:
@ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

★ Web Code: ACR

EMI Line Filter: Maximum leakage current each line to ground:
@ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

For Fuses, visit www.Jameco.com

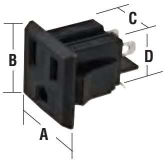


Fig. 16

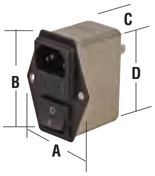


Fig. 17

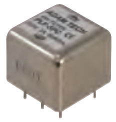


Fig. 18

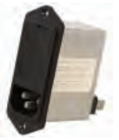


Fig. 19

Part No.	Mfr.	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (in.)				Pricing		
										A	B	C	D	1	10	100
1951633	ValuePro	YB06AIRℛ†	Power entry filter, straight (screw flanged)	1	6	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.89	1.58	**$2.95**	**$2.59**	**$2.25**
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	3	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	**2.49**	**2.25**	**1.95**
1951596	Delta	10GEEG3C†	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	**2.49**	**2.25**	**1.95**
1951609	Delta	10ME3(S)	Power entry filter, right angle (PC mount)	3	10	2250	Solder	0.16"	UL/CSA/VDE	1.64	1.19	0.87	1.58	**2.49**	**2.25**	**1.95**
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE	2.42	1.19	0.87	1.58	**4.49**	**4.25**	**3.59**
147901	ValuePro	701Rℛ	AC power inlet, male (screw flanged)	8	15	250	Faston	0.187"	UL/CSA/VDE	1.97	0.76	1.06	1.58	**.99**	**.79**	**.65**
16652	ValuePro	JR101ℛ	AC power inlet, male (screw flanged)	8	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	**1.09**	**.99**	**.79**
2133712	ValuePro	VSP1.8101.1	AC pwr inlet, M R/A (screw flanged, PC mount)	9	15	250	Solder	0.05"	UL/CSA/VDE	1.96	1.09	1.09	0.78	**.49**	**.45**	**.39**
2114010	Adam Tech	IEC-A-4ℛ	AC pwr inlet, M R/A (screw flanged, PC mount)	9	15	250	Solder	0.071"	UL/CSA/VDE	1.97	0.89	1.06	0.76	**.45**	**.35**	**.29**
147109	ValuePro	42R02	AC power inlet, male (snap-in)	10	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	**.99**	**.79**	**.65**
2095525	ValuePro	IEC-GS-1-100#	AC pwr inlet, male w/ sw. & fuse folder (snap-in)	11	15	250	Faston	0.187"	UL/CSA/VDE	1.20	1.97	0.77	1.83	**2.49**	**2.25**	**1.95**
117445	ValuePro	0717ℛ#	AC power inlet, male w/ fuse chamber (snap-in)	12	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	**1.95**	**1.79**	**1.59**
2125632	ValuePro	66822#	AC power inlet, male w/ fuse chamber (snap-in)	12	10	250	Faston	0.25"	UL/CSA/VDE	1.22	1.33	0.87	1.22	**1.95**	**1.79**	**1.59**
265528	ValuePro	WS-044ℛ#	AC power inlet, male w/ fuse chamber (screw)	13	10	250	Faston	0.185"	UL/CSA/VDE	1.40	1.28	1.06	1.21	**1.49**	**1.35**	**1.19**
1954640	ValuePro	K2415	AC power inlet, female (snap-in)	14	15	250	Faston	0.187"	UL/CSA/VDE	1.38	0.98	1.26	1.10	**.69**	**.59**	**.49**
1954658	ValuePro	K2414	AC power inlet, female (screw flanged)	15	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	**1.75**	**1.49**	**1.25**
2114095	Adam Tech	NEMA-5-2ℛ##	AC pwr outlet, NEMA receptacles (snap-in)	16	15	250	Fork	—	UL/CSA/VDE	1.063	1.063	0.70	0.866	**.75**	**.65**	**.55**

† High Performance; Increased filtering; Added bleeded resistor; More safety agencies # Includes spare fuse holder – fuse type 5mm x 20mm (250V) ## For 14-16 AWG wires

JAMECO ValuePro

International Power Cords

★ Web Code: XAQ

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except 1950702/172195: grey
- BSI: British Standard Institution
- Cord type: H05VVF
- Voltage rating: 300V

Part No.	Cross Ref. No.	Country	Agency Approvals	Plug Fig.	Cord Length	Conductors	Pricing		
							1	10	100
117911	PCVDE-6Bℛ	Europe	All	1/A	6 ft.	3/0.75mm	**$4.95**	**$4.49**	**$3.95**
2081916	GTSA3RA	Europe	All	2/A	6 ft.	3/0.75mm	**2.95**	**2.49**	**1.95**
1950702	BSI1363A	UK	ATSA	3/A	6 ft.	3/1.0mm	**2.49**	**1.95**	**1.59**
174633	21071H5182ℛ	UK/Ireland	BSI	3/A	8 ft.	3/1.0mm	**6.95**	**6.25**	**5.59**
172195	8120-6979	Italy	All	4	6 ft.	3/1.0mm	**1.95**	**1.75**	**1.59**

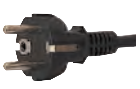


Fig. 1 (Straight)

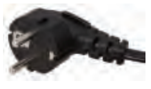


Fig. 2 (Right angle)

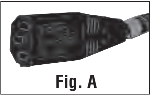


Fig. A

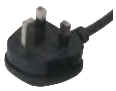


Fig. 3
(Right Angle, Fused)

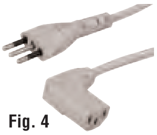
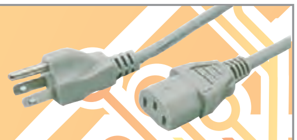


Fig. 4

European Agency Approvals

Germany	VDE	France	LCIE
Austria	ÖVE	Netherlands	KEMA
Belgium	CEBEC	Norway	NEMKO
Denmark	DEMKO	Sweden	SEMKO
Finland	FIMKO	Switzerland	SEV

2 & 3 Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords at Industry Low Prices! See page 116 for complete selection.

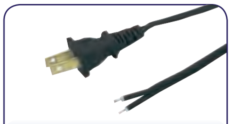


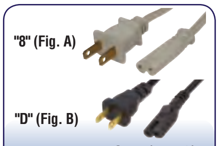
★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Power Cords

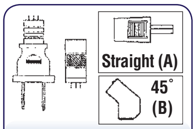
4 LEVELS OF SAVINGS

NAME BRANDS	HOUSE BRANDS	FACTORY OVERRUN	DOLLAR SALE

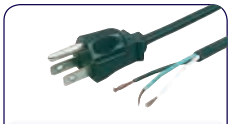

Line Cord w/ Pigtail (Fig. 1) w/ Strain Relief (Fig. 1A)



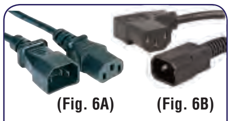
Laptop Power Cord (Fig. 2)



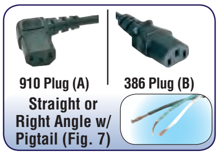
AC Plug Fan Power Cord (Fig. 3)


Power Cord w/ Pigtail (Fig. 4)

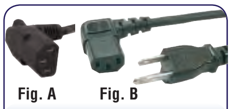
Detachable Power Cord (Fig. 5)



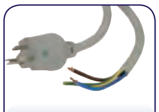
Computer Power Supply Extension Cord (Fig. 6)



Straight or Right Angle w/ Pigtail (Fig. 7)

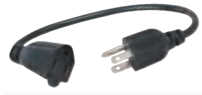


Right Angle Detachable Power Cord (Fig. 8)

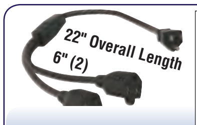

Hospital Grade w/ Pigtail (Fig. 9)

Hospital Grade Power Cord (Fig. 10)

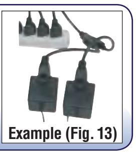
Computer Monitor Power Adapter Cord (Fig. 11)

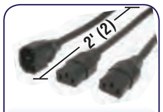

Detachable Power Strip Saver (Fig. 12)

Example (Fig. 12)



Power Strip Saver II (Fig. 13)

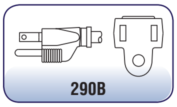

Example (Fig. 13)



4' Overall Length "Y" Twin End (Fig. 14)

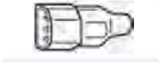
Mickey Mouse™ Style Power Cord (Fig. 15)

Plug Detail – Industry Standard Designations


290B

910

386A/386E


150

JAMECO ValuePro

2 & 3-Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C

★ Web Code: UBF

2-Conductor Line Cords with Pigtail

							AWG/	Cord	Pricing			
Part No.	Product No.	◉Mfr.	Wt.	Fig.	Length	Color	Cond	Type*	1	10	50	100
2120188	444010-4	JVP	.15	1A	4'	Black	18/2	SPT-2	$1.95	$1.75	$1.49	$1.25
152187	17106BGℛ	JVP	.20	1	6'	Beige	18/2	SPT-2	1.95	1.75	1.49	1.25
124434	ST008ℛ	JVP	.16	1	6'	Black	18/2	SPT-2	2.25	1.99	1.85	1.69
42042	SY-001-Rℛ	JVP	.18	1A	6'	Black	18/2	SPT-2	2.95	2.75	2.49	2.25

2-Conductor "8" Style Power Cords for Laptops and Power Supplies

355944	VW-1G	JVP	.30	2A	6'	Gray	18/2	SPT-2	$1.59	$1.45	$1.25	$1.09
189587	VW-1ℛ	JVP	.30	2A	6'	Black	18/2	SPT-2	2.95	2.69	2.39	2.19

2-Conductor "D" Style Power Cord for Laptops and Power Supplies

200791	LL114039	JVP	.30	2B	6'	Black	18/2	SPT-2	$1.75	$1.49	$1.25	$1.09

2-Conductor AC Plug Fan Power Cords

1952572	FACSℛ	JVP	.40	3A	6'	Black	18/2	SPT-2	$2.75	$2.49	$2.25	$1.95
1952581	FAC45ℛ	JVP	.40	3B	6'	Black	18/2	SPT-2	2.75	2.55	2.25	1.95

3-Conductor Power Cords with Pigtail (Unshielded) 290 Plug

38009	17237ℛ	JVP	.31	4	6'	Gray	18/3	SVT	$3.79	$3.39	$2.95	$2.79
37997	17236ℛ	JVP	.30	4	6'	Black	18/3	SVT	3.79	3.39	2.95	2.79
173810	17405ℛ	JVP	.14	4	6'	Gray	18/3	SJT	3.95	3.55	3.19	2.89
159410	17405Bℛ	JVP	.37	4	6'	Black	18/3	SJT	3.95	3.55	3.19	2.89
38025	17238ℛ	JVP	.42	4	8'	Black	18/3	SVT	4.49	3.95	3.55	2.95
102007	17535Bℛ†	JVP	.49	4	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
196286	LL40378ℛ	JVP	.80	4	10'	Black	16/3	SJT	7.95	6.95	5.95	4.95
166925	17516ℛ	JVP	.41	4	6'7"	Black	14/3	SJT	9.95	8.95	7.95	6.95
100272	17629Bℛ	JVP	.88	4	9'	Black	14/3	SJT	9.95	8.95	7.95	6.95

†European standard insulation color code

3-Conductor Power Cord with Pigtail (Shielded) 910 Plug

339995	72WV866SSDIℛ	JVP	.49	7A	6'7"	Black	18/3	SVT	$1.95	$1.75	$1.49	$1.35

3-Conductor Detachable Power Cords (Unshielded) 290B/386A Plugs

2081801	17002Aℛ	JVP	.36	5	1'	Black	18/3	SVT	$2.95	$2.65	$2.39	$1.95
2082425	17000A	JVP	.35	5	3'	Black	18/3	SVT	3.25	2.95	2.59	2.29
38041	17249ℛ	JVP	.37	5	6'	Beige	18/3	SVT	3.49	2.95	2.49	1.95
103747	17248	JVP	.34	5	6'	Gray	18/3	SVT	3.95	3.59	3.19	2.49
38050	17250ℛ	JVP	.36	5	6'	Black	18/3	SVT	4.95	4.49	3.95	3.59
132118	17500ℛ	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.49	3.95	3.25
2100275	17251B	JVP	.37	5	7'7"	Black	18/3	SVT	3.49	2.95	2.75	2.49
1585637	171096	JVP	.60	5	8'	Black	18/3	SVT	3.95	3.49	3.19	2.79
171096	17758	JVP	.60	5	8'	Black	18/3	SJT	3.95	3.49	3.19	2.79
102024	17501Vℛ	JVP	.55	5	10'	Black	18/3	SVT	5.95	5.69	5.39	4.95
2145051	177323	JVP	.70	5	15'	Black	18/3	SVT	7.95	6.95	5.95	4.95
163361	6952299	JVP	.75	5	14'	Black	18/3	SVT	7.95	6.95	6.25	5.59
340291	17001Aℛ	JVP	.31	5	3'	Black	16/3	SJT	4.95	4.59	3.95	3.49
2126053	LL76932§	JVP	.52	5	6'	Black	16/3	SJT	3.95	2.95	2.49	1.95
159361	17602	JVP	.52	5	6'	Black	16/3	SJT	6.95	5.95	5.35	4.79
1537230	LL34877	JVP	.72	5	8'	Black	16/3	SJT	7.95	6.95	6.25	5.59
125541	17504ℛ	JVP	.72	5	6'7"	Black	14/3	SJT	7.95	7.19	6.49	5.79

§RFI filter on cord

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

							AWG/	Cord	Pricing			
Part No.	Product No.	◉Mfr.	Wt.	Fig.	Length	Color	Cond	Type*	1	10	50	100
2082433	77450	JVP	.40	5	6'	Gray	18/3	SVT	$3.49	$2.95	$2.65	$2.25
213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	4.25	3.79	3.49	2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.95	3.59	2.95
1537459	LL6415	JVP	.40	5	9'10"	Beige	18/3	SJT	1.95	1.75	1.49	1.25

3-Conductor Computer Power Supply Extension Cords (150/386A/910 Plugs)

2125317	LL90989	JVP	.15	6B	1'6"	Black	18/3	SVT	$1.75	$1.49	$1.25	$1.09
206172	PEC-3ℛ	JVP	.22	6A	3'	Black	18/3	SVT	2.95	2.65	2.39	2.19
319804	LR94903	JVP	.82	6A	6'	Gray	18/3	SVT	2.49	1.95	1.75	1.49
28468	PEC	JVP	.36	6A	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2133595	PEC-SJT	JVP	.36	6A	6'	Black	18/3	SJT	4.95	4.49	3.95	3.49
420224	10W1-02212	JVP	.53	6A	12'	Black	18/3	SVT	5.95	5.39	4.79	4.25

3-Conductor Power Cords with Pigtail (Unshielded) 910 or 386 Plug

340056	17537ℛ	JVP	.37	7A	9'10"	Black	18/3	SJT	$2.25	$1.95	$1.75	$1.49
340099	17539ℛ	JVP	.80	7A	9'10"	Black	16/3	SJT	2.49	2.25	1.95	1.75
340072	17521ℛ	JVP	.80	7B	9'10"	Black	16/3	SJT	2.49	2.25	1.95	1.75

3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

117357	8120-6177ℛ	JVP	.41	8B	6'	Gray	18/3	SVT	$3.95	$3.55	$3.19	$2.79
38077	17250Rℛ	JVP	.54	8B	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2099999	E88265	JVP	.82	8A	8'	Black	18/3	SVT	2.95	2.49	1.95	1.49
2121519	17569R	JVP	.30	8B	10'	Black	18/3	SJT	3.95	3.59	3.25	2.95
177384	17507ℛ	JVP	.28	8B	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49
222958	17510	JVP	.88	8B	6'7"	Black	14/3	SJT	4.95	4.49	3.95	2.95

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

173252	17745ℛ	JVP	.16	8B	6'7"	Black	18/3	SVT	$5.95	$5.39	$4.79	$4.25

3-Conductor Hospital Grade Power Cords (green dot)

† Clear plug

2115434	LL39965	JVP	.75	10	10'	Gray	18/3	SJT	$5.95	$5.25	$4.59	$3.95
132011	17006Gℛ	JVP	.82	10	10'	Gray	16/3	SJT	10.95	9.95	8.95	7.95
115078	17006ℛ	JVP	.84	10	10'	Blk†	16/3	SJT	10.95	9.95	8.95	7.95
1537563	17510HG	VLX	.82	9	10'	Gray	14/3	SJT	4.95	4.49	3.95	3.49

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

177448	MPC1ℛ	JVP	.16	11	1'	Black	18/3	SVT	$2.95	$2.69	$2.39	$2.19

3-Conductor Detachable Power Cords (Power Strip Saver) 290B/386 Plugs

208339	P55-BRℛ	JVP	.16	12	1'	Beige	18/3	SVT	$2.49	$2.25	$1.95	$1.75
199778	PSS-1ℛ	JVP	.16	12	1'	Black	18/3	SVT	2.95	2.69	2.39	2.15

3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

208347	121-2594ℛ	ZTK	.38	13	22"	Black	16/3	SJT	$7.95	$6.95	$6.25	$5.95

3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

340566	17268Aℛ	JVP	.32	14	4'	Black	18/3	SJT	$6.95	$6.25	$5.59	$4.95

3-Conductor "Mickey Mouse" Style Power Supply Cords

1953559	MMFLAT	MWL	.40	15	6'	Black	18/3	SPT-2	$1.95	$1.75	$1.49	$1.25
1951123	MMPCℛ	MWL	.40	15	6'	Black	18/3	SVT	4.95	4.49	3.95	3.49

* ***Thermoplastic Cord Jacket Type: SPT-2 (Flat):*** *Junior duty;* ***SVT (Round):*** *Light service;* ***SJT (Round):*** *Junior service*

◉ JVP = Jameco ValuePro | MWL = Mean Well | SLA = Sola | VLX = Volex | ZTK = Ziotek

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

JAMECO.COM

ASTEC

Open-Frame Linear AC-to-DC Power Supplies

- Load regulation: ±0.5%
- Line regulation: ±0.5%
- UL/CE/TUV certified
- Jumperable between 100VAC to 240VAC

★*Web Code: MSP*

2077503

Part No.	Manufacturer	Mfr. Part No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Rip & Noise (mV p-p)	Size (L" x W" x H")	Pricing 1	Pricing 5	Pricing 25
2077503	Astec	ACV12N5	+12V @ 5.1A	61W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	**$19.95**	**$17.95**	**$15.95**
2077511	Astec	ACV15N4.5	+15V @ 4.5A	67.5W	100-240 @ 47-63Hz	3.0	7.0 x 4.87 x 2.75	**16.95**	**14.95**	**12.95**

Open-Frame Medical Switching AC-to-DC Power Supplies

MPS-65

- Universal AC input/full range
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload and overvoltage protection
- Load regulation: ±2.0%
- Line regulation: ±1.0%
- Volt. adjustment: 10%
- Inrush current: 20A @ 120VAC
- 2129633 and 2129676: Load/line reg. ±5%
- 100% full-load burn-in test
- Leakage current: 0.3mA @ 240V
- Isolation volt.: 4000VAC
- 2.9 watts/in³ max.
- Working temp.: -10˚C to + 60˚C
- Mating connector: P/N 104732, pg 65
- 2129684: ±1% line reg. ±3% load reg.

MW MEAN WELL

Performance at Value Prices

★*Web Code: JBK*

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 5	Pricing 25
694971	Mean Wellℛ§	NFM-05-5	+5V @ 0-1A	5W	2.3 x 1.8 x 0.8	80	UL/CUL/TUV/CE	**$10.95**	**$8.75**	**$8.25**
695092	Mean Wellℛ§	NFM-10-5	+5V @ 0-2A	10W	2.6 x 1.8 x 0.9	80	UL/CUL/TUV/CE	**14.49**	**12.49**	**9.95**
221058	Mean Wellℛ	MPS-45-7.5	+7.5V @ 0-5.4A	40.5W	90-264 @ 47-440	100	UL/CUL/TUV/CE	**25.95**	**23.95**	**21.95**
221066	Mean Wellℛ	MPS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	**18.95**	**16.95**	**15.95**
221154	Mean Wellℛ	MPS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	**26.49**	**23.95**	**20.95**
221162	Mean Wellℛ	MPS-65-13.5	+13.5V @ 0-4.7A	63.5W	90-264 @ 47-440	100	UL/CUL/TUV/CE	**19.95**	**17.95**	**15.95**
2129633	Elpacℛ	MS6524F	+24V @ 2.7A	65.0W	85-264 @ 50-60	240	UL/CSA/TUV/CE	**12.95**	**10.95**	**8.95**
2129684	Elpacℛ	MSM7524F	+24V @ 4.6A	110.0W	90-264 @ 47-63	240	UL/CUL/CE	**24.95**	**22.49**	**19.95**
2129676	Elpacℛ	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	110.0W	90-264 @ 47-63	50	UL/CUL/CSA/CE	**19.95**	**17.95**	**15.95**
2081721	EOS	LFMVLT80-4000	+5V @ 10A, +12V @ 2A, -5V @ .8A, -12V @ .8A	80.0W	90-240 @ 47-63	80	UL/CE	**13.95**	**12.49**	**10.95**

* Primary Output § Ultra-miniature

Open-Frame Switching AC-to-DC Power Supplies

★*Web Code: OSP*

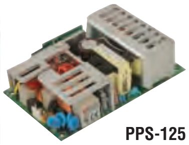
- Universal AC input/full range
- Two-year warranty
- Short-circuit, overload and overvoltage protection

PFC Model Additional Features:

- Built-in active Power Factor Protection function, power factor >0.93
- Three-year warranty

Complete power product specifications available online

USP-225


PPS-125

LPP-150

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 5	Pricing 25
Single Output															
218991	Artesyn	NLP150L-96S3	+3.3V @ 1-22A	72.6W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	**$49.95**	**$44.95**	**$39.95**
229042	Phihongℛ	PSA15LN3-050	+5V @ 0-3A	15W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	**18.95**	**17.25**	**16.25**
2081836	CUI Inc.	VOF-25-5	+5V @ 4.4A	25W	85-264 @ 47-63	3.5x2.0x0.9	3.2X1.7X0.2	50	5.0	5.0	—	UL/CUL/TUV/CE/FCC	**11.95**	**10.49**	**9.49**
212354	Mean Wellℛ	PS-25-5	+5V @ 0-5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	80	2.0	0.5	—	UL/CUL/TUV/CE	**13.95**	**12.49**	**10.95**
217332	Mean Wellℛ	PS-45-5	+5V @ 0-8A	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	3.0	1.0	—	UL/CUL/TUV/CE	**15.49**	**13.95**	**12.49**
1586331	Phihongℛ	PSA120-050	+5V @ 0-5A	75W	40-264 @ 47-63	5.0x3.0x1.2	4.5x2.5x0.2	100	20.0	1.0	—	UL/CUL/TUV/CE	**29.95**	**24.95**	**22.95**
218915	Artesyn	NLP110-9605	+5V @ 0.5-15A	75W	90-264 @ 47-63	6.5x3.0x1.3	6.1x2.6x0.2	50	2.0	2.0	—	UL/CUL/CSA/VDE	**29.95**	**24.95**	**22.95**
1954439	Mean Wellℛ	USP-500-5	+5V @ 0-80A	400W	90-264 @ 47-63	10.0x5.0x1.6	see data sheet†	80	2.0	0.5	✔	UL/CUL/TUV/CE	**149.95**	**139.95**	**129.95**
219011	Artesyn	NLP150L-96S5	+5.1V @ 1-22A	112.2W	90-264 @ 47-63	6.8x3.8x1.3	6.5x3.5x0.2	50	2.0	2.0	—	UL/CSA/VDE/CE	**29.95**	**26.95**	**24.95**
229060	Phihongℛ	PSA15LN3-120	+12V @ 0-1.25A	15W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	120	2.0	1.0	—	UL/CUL/TUV/CE	**17.95**	**16.95**	**15.95**
300484	Mean Well§	OFM-1502	+12V @ 0-1.25A	15W	85-264 @ 47-440	2.8x1.9x0.8	see data sheet	150	1.0	0.3	—	UL/CUL/TUV/CE	**19.95**	**18.95**	**17.95**
148604	Mean Wellℛ	PS-25-12	+12V @ 0-2.1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	**13.95**	**12.49**	**10.95**
213728	Mean Wellℛ	PS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	**15.49**	**13.95**	**12.49**
148639	Mean Wellℛ	PS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	**16.95**	**14.95**	**13.49**
2099981	ITE	SBU60-105	+12V @ 5.25A	63W	90-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.15	120	3.0	0.5	—	UL/CUL/CE	**9.95**	**8.95**	**7.95**
173472	Mean Wellℛ	LPS-100-12	+12V @ 0-8.4A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	✔	UL/CUL/TUV/CE	**39.95**	**34.95**	**29.95**
237024	Lite-On	PA-1101-1	+12V @ 2-8.5A	102W	85-264 @ 47-63	6.0x4.0x1.3	—	1200	10.0	1.0	—	UL/CUL/TUV/CE	**29.95**	**26.95**	**23.95**
374089	Mean Wellℛ	PPS-125-12	+12V @ 0-10.5A	126W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	**56.95**	**52.95**	**49.95**
213681	Mean Wellℛ	LPP-150-12	+12V @ 0-12.5A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	✔	UL/CUL/TUV/CE	**39.95**	**36.95**	**33.95**
694479	Mean Wellℛ	USP-225-12	+12V @ 0-18.7A	224.4W	90-264 @ 47-63	8.0x4.0x1.5	7.7x3.4x0.1	100	1.0	0.5	✔	UL/CUL/TUV/CB/CE/PFC	**69.95**	**63.95**	**59.95**
374380	Mean Wellℛ	PS-65-13.5	+13.5V @ 0-5.4A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	—	UL/CUL/TUV/CE	**17.49**	**15.95**	**13.95**
2105674	Mean Wellℛ	PS-15-15	+15V @ 0-1A	15W	85-264 @ 47-63	3.7x1.9x1.0	3.4x1.6x1.0	120	1.0	1.0	—	UL/TUV/CB/CE	**9.95**	**8.95**	**7.95**

* Primary Output † Multiple sets of mounting holes, see data sheet for dimensions § Ultra-miniature

More Open-Frame Switching Power Supplies on pages 118 & 119

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Open-Frame Switching AC-to-DC Power Supplies

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

Open-Frame Switching AC-to-DC Power Supplies (Continued)

★ Web Code: OSP

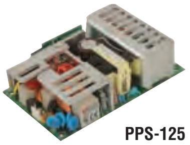
- Universal AC input/full range
- Short-circuit, overload and overvoltage protection • Two-year warranty

PFC Model Additional Features:

- Built-in active Power Factor Protection function, power factor >0.93 • Three-year warranty

Complete power product specifications available online

USP-225


PPS-125

LPP-150

Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing		
			Voltage @ Current (min-max)	Power									1	5	25
Single Output															
216751	Mean Wellℛ	PS-65-15	+15V @ 0-4.2A	63W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	**$16.95**	**$14.95**	**$13.49**
374097	Mean Wellℛ	PPS-125-15	+15V @ 0-8.4A	126W	90-264 @ 47-63	5.0x2.4x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	**56.95**	**52.95**	**49.95**
212346	Mean Wellℛ	PS-25-24	+24V @ 0-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	**13.95**	**12.49**	**10.95**
213720	Mean Wellℛ	PS-45-24	+24V @ 0-1.9A	45.6W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	**15.49**	**13.95**	**12.49**
148647	Mean Wellℛ	PS-65-24	+24V @ 0-2.7A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	**16.95**	**14.95**	**13.49**
2129633	Elpacℛ	MS6524F	+24V @ 2.7A (medical grade)	65W	100-240 @ 50-60	5.0x3.0x1.2	4.5x2.5x0.2	100	5.0	5.0	—	UL/CSA/TUV/CE	**12.95**	**10.95**	**8.95**
244727	Mean Wellℛ	LPS-75-24	+24V @ 0-3.5A	76.8W	90-264 @ 47-63	8.7x2.2x1.2	8.4x1.8x0.2	120	1.0	1.0	✔	UL/CUL/TUV/CE	**22.95**	**20.95**	**18.95**
173463	Mean Wellℛ	LPS-100-24	+24V @ 0-4.2A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✔	UL/CUL/TUV/CE	**39.95**	**34.95**	**29.95**
2129684	Elpacℛ	MSM7524	+24V @ 4.6A (medical rated)	110.0W	100-240 @ 50-60	5.7x3.4x1.6	5.2x3.4x1.5	240	3.0	1.0	—	UL/CUL/CE	**24.95**	**22.49**	**19.95**
301429	Mean Wellℛ	PPS-125-24	+24V @ 0-5.2A	124.8W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	150	1.0	0.5	✔	UL/CUL/TUV/CE	**56.95**	**52.95**	**49.95**
213672	Mean Wellℛ	LPP-150-24	+24V @ 0-6.3A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	150	0.5	0.5	✔	UL/CUL/TUV/CE	**46.95**	**42.95**	**38.95**
668730	Mean Wellℛ	PPS-200-24	+24V @ 0-8.3A	199.2W	90-264 @ 47-63	5.0x3.0x1.4	3.7x7.8x0.14	150	1.0	0.5	✔	UL/CUL/TUV/CE	**79.95**	**71.95**	**63.95**
201946	Mean Wellℛ	PS-65-27	+27V @ 0-2.4A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	**16.95**	**13.49**	**11.95**
236882	Mean Wellℛ	LPP-100-27	+27V @ 0-3.8A	102.6W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✔	UL/CUL/TUV/CE	**29.95**	**26.95**	**24.95**
216710	Mean Wellℛ	LPS-100-48	+48V @ 0-2.1A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	200	0.5	0.5	✔	UL/CUL/TUV/CE	**24.95**	**22.49**	**19.95**
2120348	Coselℛ	LDA150W-48	+48V @3.0A	144W	85-264 @ 47-440	8.7x2.9x1.3	8.3x2.5x0.1	400	0.5	0.04	—	UL/CSA/TUV/CE	**16.95**	**14.95**	**12.95**
216646	Mean Well+	LPP-150-48	+48V @ 0-3.2A	153.6W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	250	0.5	0.5	✔	UL/CUL/TUV/CE	**42.95**	**38.95**	**34.95**
1954463	Mean Wellℛ	USP-500-48	+48V @ 10.5A	504W	90-264 @ 47-63	10.0x5.0x1.6	see data sheet†	150	1.0	0.5	✔	UL/CUL/TUV/CE	**199.95**	**184.95**	**169.95**
Double Output															
212312	Mean Wellℛ	PD-2505	+5V @ 0.1-3A; -5V @ 0.1-2.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	4.0	1.0	—	UL/CUL/TUV/CE	**$19.95**	**$18.49**	**$16.95**
212338	Mean Wellℛ	PD-25A	+5V @ 0.2-2.5A; +12V @ 0.1-1.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	**16.95**	**15.95**	**14.95**
212330	Mean Wellℛ	PD-25B	+5V @0.2-2A; +24V @ 0.1-1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	**16.95**	**15.95**	**14.95**
194862	Mean Wellℛ	PD-45A	+5V @ 0.4-3.2A; +12V @ 0.2-2	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	**17.95**	**16.95**	**15.95**
194889	Mean Wellℛ	PD-65A	+5V @ 0.4-7A; +12V @ 0.2-3.2A	61.1W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	**19.95**	**18.95**	**17.95**
692377	Autec	UPS65-1002	+5V @ 0.5-3.5A; +12V @ 0.1-4A	65W	90-260 @ 47-63	6.0x3.5x1.5	4.8x3.2x0.2	50	2.0	0.5	—	UL/CSA/TUV	**17.95**	**15.95**	**13.95**
194897	Mean Wellℛ	PD-65B	+5V @ 0.4-3.5A; +24V @ 0.2-2A	65.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	**19.95**	**18.95**	**17.95**
375056	Mean Well	PD-110B	+5V @ 0.5-5A; +24V @ 0.5-3.5A	109W	100-264 @ 47-63	7.0x4.3x1.8	6.5X3.8X0.1	100	1.0	1.0	—	UL/CUL/TUV/CE	**41.95**	**36.95**	**32.95**
148690	Mean Wellℛ	PD-2512	+12V @ 0.1-1.2A; -12V @ 0.1-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	**15.95**	**14.95**	**13.95**
2100857	Mean Wellℛ	PD-25-15	+15V @ 1A, -5V @ 1A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	**19.95**	**17.95**	**16.49**
Triple Output															
230536	Phihongℛ	PSA25L-301	+5V @ 0.2-2A; +12V @ 0.1-1A; -12V @ 0-0.3A	25W	90-264 @ 47-63	4.3x1.6x0.9	3.7x2.1x0.1	50	2.0	1.0	—	UL/CUL/TUV/CE	**$26.95**	**$24.95**	**$22.95**
2081617	Artesyn	NFN40-7607	+5V @ 3A; +12V @ 2A; -5V @ 0.35A	40W	85-264 @ 47-440	5.0x3.0x1.2	4.6x2.6x0.15	50	2.0	1.0	—	UL/CSA/TUV	**12.95**	**11.49**	**9.95**
2129676	Elpacℛ **	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	40W	100-240 @ 50-60	5.0x3.0x1.1	4.6x2.5x0.2	50	5.0	5.0	—	UL/CUL/CSA/CE	**19.95**	**17.95**	**15.95**
229122	Phihongℛ	PSA4531	+5V @ 0-4A; +12V @ 0-1.5A; -12V @ 0-0.5A	44W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.2	50	2.0	1.0	—	UL/CSA/TUV/CE	**33.95**	**31.49**	**28.95**
88402	Mean Welℛ	PT-45B	+5V @ 0.4-3A; +12V @ 0.2-2A; -12V @ 0-0.3A	45W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	**19.95**	**18.49**	**16.95**
216734	Mean Wellℛ	PT-65B	+5V @ 0.4-5.5A; +12V @ 0.2-2.5A -12V @ 0-0.5A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	**22.95**	**20.95**	**19.49**
216726	Mean Wellℛ	PT-65C	+5V @ 0.4-5.5A; +15V @ 0.2-2A; -15V @ 0-0.5A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	**22.95**	**20.95**	**19.49**
215707	Mean Wellℛ	PT-65D	+5V @ 0.5-4A; +12V @ 0.2-2A; +24V @ 0.2-1A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	**22.95**	**20.95**	**19.49**
673934	ReliaPro	PVI-50-46BUB	+5V @ 6.5A; +3.3V @ 2.5A; +12V @ 0.8A; -12V @ 0.5A	57W	100-240 @ 50-60	8.1x3.2x1.5	7.6x2.6x0.15	50	2.0	2.0	—	UL/CUL/CSA/TUV/CE	**7.95**	**6.49**	**5.49**
2081721	EOS**	LFMVLT80-4000	+5V @ 10A; +12V @ 2A; -5V @ 0.8A; -12V @ 0.8A	80W	90-240 @ 47-63	3.0x5.0x1.0	4.55x2.55	80	1.0	1.0	—	UL/CE	**13.95**	**12.49**	**10.95**
645298	Mean Well	PQ-100DTR	+5V @ 5A; +12V @ 2A; -12V @ 2A; +24V @ 2A	103W	100-264 @ 47-63	7.0x4.3x1.8	6.5x3.8x0.2	80	1.0	1.0	—	UL/CUL/TUV/CE	**41.95**	**37.95**	**34.95**

* Primary Output † Multiple sets of mounting holes, see data sheet for dimensions ** Medical rated

More Open-Frame Switching Power Supplies on pages 117 & 119

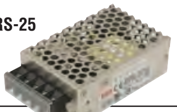
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Enclosed Switching AC-to-DC Power Supplies

- 100% full-load burn-in test

Complete power product specifications available online

RS-25



★ *Web Code: EPS*

Part No.	Manufacturer	Mfr. Part No.	Output		Size	Ripple & Noise	Load Reg.	Line Reg.	Additional Info	Certification	Pricing		
			Voltage @ Current (min-max)	Power	(L"xW"xH")	(mV p-p)*	(±%)*	(±%)*	(pg 120)†		1	5	25
Single Output													
693193	Mean Wellℛ	RS-25-3.3	+3.3V @ 0-6A	19.8W	3.0x2.0x1.1	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	**$19.95**	**$16.49**	**$13.95**
693329	Mean Wellℛ	RS-150-3.3	+3.3V @ 0-30A	99W	7.8x3.9x1.5	80	2.0	0.5	1	UL/CUL/TUV/CE/CB	**31.95**	**28.49**	**26.49**
201903	Mean Wellℛ	SP-150-3.3	+3.3V @ 0-30A	99W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
1919043	Mean Wellℛ	RS-15-5	+5V @ 0-3A	15W	2.5x2.0x1.1	80	1.5	0.5	1	UL/CUL/TUV/CE/CB	**16.95**	**12.95**	**10.95**
323282	Mean Wellℛ	RS-25-5	+5V @ 0-5A	25W	3.1x2.0x1.1	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**19.95**	**16.49**	**13.95**
123247	Mean Wellℛ	S-25-5	+5V @ 0-5A	25W	3.9x3.8x1.4	50	1.0	0.5	2	UL/TUV/CE	**19.95**	**16.95**	**14.95**
123290	Mean Wellℛ	S-40-5	+5V @ 0-8A	40W	5.1x3.9x1.5	75	1.0	0.5	2	UL/CUL/TUV/CE/CB	**22.95**	**19.49**	**17.95**
689784	Metapo	1M051C05-0M	+5V @ 0-10A	50W	6.0x3.7x1.5	100	2.0	0.5	—	UL/CUL	**12.95**	**11.95**	**10.95**
323388	Mean Wellℛ	RS-50-5	+5V @ 0-10A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**23.95**	**19.95**	**16.95**
2079390	PowerLDℛ	PD-60-5	+5V @ 0-10A	50W	5.1x3.9x1.5	50	2.0	0.5	—	UL/CUL/CE	**24.95**	**23.95**	**22.95**
689768	Potrans	FS-06005-0M	+5V @ 0-12A	60W	5.1x3.9x1.5	120	—	—	—	UL/CUL/CE	**14.95**	**13.49**	**11.95**
123327	Mean Wellℛ	S-60-5	+5V @ 0-12A	60W	6.3x3.8x1.5	120	1.0	0.5	2	UL/CUL/TUV/CE/CB	**26.95**	**22.95**	**19.95**
323708	Mean Wellℛ	RS-100-5	+5V @ 0-16A	80W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**39.95**	**32.95**	**26.95**
201962	Mean Wellℛ	S-100F-5	+5V @ 0-20A	100W	7.8x3.9x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	**32.95**	**26.95**	**23.95**
194791	Mean Wellℛ	SP-100-5	+5V @ 0-20A	100W	7.0x3.9x1.8	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**46.95**	**41.95**	**36.95**
123394	Mean Wellℛ	S-150-5	+5V @ 0-30A	150W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
201912	Mean Wellℛ	SP-150-5	+5V @ 0-30A	150W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
202042	Mean Wellℛ	SP-200-5	+5V @ 0-40A	200W	7.0x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**
2146126	Seasonic	SS-200MF-5	+5V @ 0-40A	200W	8.5x4.5x2.0	—	1.0	1.0	—	CUL/TUV/CE/CB	**62.95**	**58.95**	**54.95**
2102490	Mean Wellℛ	SP-240-5	+5V @ 0-45A	225W	7.5x3.7x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**55.95**
216776	Mean Well	S-320-5	+5V @ 0-50A	250W	8.5x4.5x2.0	150	1.0	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**
244735	Mean Wellℛ	SP-320-5	+5V @ 0-55A at 230VAC; 0-44A at 115VAC	275W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
2146134	Seasonic	SS-300MS-5	+5V @ 0-60A	300W	8.5x4.5x2.0	—	1.0	1.0	—	CUL/TUV/CE/CB	**66.95**	**59.95**	**56.95**
693644	Mean Wellℛ	SP-480-5	+5V @ 0-85A	425W	10.9x5.0x1.7	80	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**144.95**	**134.95**	**124.95**
374002	Mean Well	SE-600-05	+5V @ 0-100A	500W	9.7x5.0x2.5	150	2.0	0.5	8	UL/CUL	**119.95**	**109.95**	**99.95**
693661	Mean Wellℛ	SP-750-5	+5V @ 0-120A	600W	10.9x5.0x2.5	120	2.0	0.5	3	UL/CUL/TUV/CE/CB	**219.95**	**199.95**	**184.95**
231669	Mean Wellℛ	PSP-1500-5	+5V @ 0-217.5A	1087.5W	10.9x5.1x7.5	100	2.0	0.5	5	UL/CUL/TUV/CE/CB	**169.95**	**149.95**	**129.95**
123415	Mean Wellℛ	S-150-7.5	+7.5V @ 0-20A	150W	7.0x4.3x2.0	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
207212	Mean Well	S-320-7.5	+7.5V @ 0-36A	270W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**
394215	Mean Wellℛ	SP-320-7.5	+7.5V @ 0-40A	300W	8.5x4.5x2.0	150	1.0	0.5	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
693353	Mean Wellℛ	S-150-9	+9V @ 0-16.70A	150.3W	7.8x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	**39.95**	**34.95**	**31.95**
1919051	Mean Wellℛ	RS-15-12	+12V @ 0-1.3A	15.6W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**16.95**	**12.95**	**10.95**
2120356	Potransℛ	FS-02512-1M-02	+12V @ 2.1A	25.2W	3.9x3.8x1.3	120	0.05	0.05	—	UL/CUL/CE	**12.95**	**10.95**	**9.95**
323300	Mean Wellℛ	RS-25-12	+12V @ 0-2.1A	25.2W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**19.95**	**16.49**	**13.95**
123255	Mean Wellℛ	S-25-12	+12V @ 0-2.1A	25.2W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	**19.95**	**16.95**	**14.95**
323337	Mean Wellℛ	RS-35-12	+12V @ 0-3A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**21.95**	**17.95**	**14.95**
689830	Metapo	1M041C12-1M	+12V @ 0-3.5A	42W	3.9x3.8x1.4	100	0.5	0.5	—	UL/CUL/TUV/CE	**16.95**	**14.95**	**13.95**
123298	Mean Wellℛ	S-40-12	+12V @ 0-3.5A	42W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	**22.95**	**19.49**	**17.95**
689821	Metapo	1M051C12-1M	+12V @ 0-4.2A	50W	6.0x3.7x1.5	100	0.5	0.5	—	UL/CUL/TUV/CE	**14.95**	**13.49**	**11.95**
323396	Mean Wellℛ	RS-50-12	+12V @ 0-4.2A	50.4W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**23.95**	**19.95**	**16.95**
123335	Mean Wellℛ	S-60-12	+12V @ 0-5A	60W	6.3x3.8x1.5	120	0.5	0.5	2	UL/CUL/TUV/CE/CB	**26.95**	**22.95**	**19.95**
323599	Mean Wellℛ	RS-75-12	+12V @ 0-6A	72W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**28.95**	**23.95**	**19.49**
194838	Mean Wellℛ	SP-75-12	+12V @ 0-6.3A	75.6W	7.0x3.9x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	**42.95**	**36.95**	**31.95**
2105017	Mean Wellℛ	NES-100-12	+12V @ 0-8.5A	102W	6.3x3.8x1.5	120	0.5	0.5	7	UL/CUL/CE/CB	**29.95**	**22.95**	**20.95**
123386	Mean Wellℛ	S-100F-12	+12V @ 0-8.5A	102W	7.8x3.9x1.5	125	0.5	0.5	2	UL/TUV/CE/CB	**32.95**	**26.95**	**23.95**
323716	Mean Wellℛ	RS-100-12	+12V @ 0-8.5A	102W	6.3x3.8x1.5	120	0.5	0.5	3	UL/CUL/TUV/CE/CB	**39.95**	**32.95**	**26.95**
194803	Mean Wellℛ	SP-100-12	+12V @ 0-8.5A	102W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**46.95**	**41.95**	**36.95**
123423	Mean Wellℛ	S-150-12	+12V @ 0-12.5A	150W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
323839	Mean Wellℛ	RS-150-12	+12V @ 0-12.5A	150W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**31.95**	**28.49**	**26.49**
173421	Mean Wellℛ	SP-150-12	+12V @ 0-12.5A	150W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
2094848	Mean Wellℛ	HRPG-150-12	+12V @ 0-13A	156W	6.3x3.8x1.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**94.95**	**79.95**	**69.95**
2138839	Global Tekℛ	SP-200-12GL(R)	+12V @ 0-16.7A	200.4W	7.8x3.9x2.0	100	1.0	0.5	3	UL/CUL/TUV/CE/PFC	**34.95**	**31.95**	**27.95**
194774	Mean Wellℛ	SP-200-12	+12V @ 0-16.7A	200.4W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**
2101497	Mean Wellℛ	SP-240-12	+12V @ 0-20A	240W	7.5x3.7x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**55.95**
207204	Mean Well	S-320-12	+12V @ 0-25A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**

* Primary Output

More Enclosed Switching Power Supplies continued on pages 120-124

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

Enclosed Switching AC-to-DC Power Supplies (Continued)

★ *Web Code: EPS*

- 100% full-load burn-in test

Complete power product specifications available online

†Additional Info:

1 G3 Series: Miniature size, high reliability, suitable for critical applications • 88-264VAC @ 47-63Hz • 5G vibration
- 70˚C operation • Withstand 300VAC surge input for 5 sec. • Short-circuit/overload/overvoltage protection • Three-year warranty

2 G2 Series: Without CE certification for models more than 200W (except for S-240) • 85-264VAC @ 47-63Hz
- Universal AC input (25-60W), Switch selectable AC input (100W and above), AC input range auto-sensing (240W) • Two-year warranty

3 PFC Series: Built-in active Power Factor Correction function • Power factor >0.93 • 88-264VAC @ 47-63Hz
- Universal AC input • Three-year warranty

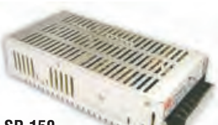
4 Parallel Series: Built-in remote sense, remote On/Off control & Parallel functions • 115 & 220V versions @ 47-63Hz
- Short-circuit/overvoltage/overload/overtemperature protection

5 Parallel Series with PFC: Same as parallel series with Power Factor Correction

6 G5 Series: Built-in active PFC function • 1U low profile 38mm • 85-264VAC @ 47-63Hz
- High efficiency up to 89% • Withstand 300VAC surge input for 5 sec. • Five-year warranty

7 NE Series: Most economical low wattage solution with safety certificates • Small size, high power density
- Short-circuit/overvoltage/overload protection • Universal AC input • Two-year warranty

8 SE Series: AC input selectable by switch • Withstand 300VAC surge input for 5 seconds
- Forced air cooling by built-in DC fan (SE-350/450) • 100% full load burn-in test
- Short-circuit/overvoltage/overload/overtemperature protection
- Built-in remote sense function (SE350/450) • Two-year warranty



SP-150

HRPG-150

HRP-300

SCN-600

NES-75

Part No.	Manufacturer	Mfr. Part No.	Output		Size	Ripple & Noise	Load Reg.	Line Reg.	Additional Info	Certification	Pricing		
			Voltage @ Current (min-max)	Power	(L"xW"xH")	(mV p-p)*	(±%)*	(±%)*	(above)†		1	5	25
Single Output (Continued)													
244743	Mean Wellℛ	SP-320-12	+12V @ 0-25A at 230VAC; 0-20A @ 115VAC	300W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**$64.95**	**$59.95**	**$54.95**
2102203	Mean Wellℛ	HRP-300-12	+12V @ 0-27A	324W	7.8x4.1x1.6	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**114.95**	**104.95**	**94.95**
2094872	Mean Wellℛ	HRPG-300-12	+12V @ 0-27A	324W	7.8x4.1x1.6	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**119.95**	**114.95**	**109.95**
2094928	Mean Wellℛ	SE-450-12	+12V @ 0-37.5A	450W	8.9x4.9x2.0	200	1.0	0.5	8	UL/CUL/TUV/CE/CB/PFC	**99.95**	**89.95**	**74.95**
301373	Mean Wellℛ	SP-480-12	+12V @ 0-40A at 230VAC; 0-36A @ 115VAC	480W	10.9x5.0x1.7	120	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**144.95**	**134.95**	**124.95**
190693	Mean Wellℛ	SP-500-12	+12V @ 0-40A at 230VAC; 0-34A @ 115VAC	480W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**159.95**	**139.95**	**129.95**
374011	Mean Well	SE-600-12	+12V @ 0-50A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	**119.95**	**109.95**	**99.95**
374214	Mean Wellℛ	PSP-600-12	+12V @ 0-50A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**149.95**	**134.95**	**119.95**
388631	Mean Wellℛ	SCP-600-12	+12V @ 0-50A	600W	11.4x4.7x2.7	120	0.5	0.5	5	UL/CUL/TUV/CE/CB	**159.95**	**149.95**	**139.95**
2094961	Mean Wellℛ	HRPG-600-12	+12V @ 0-53A	636W	8.6x4.1x2.5	120	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**209.95**	**184.95**	**154.95**
319944	Mean Wellℛ	SP-750-12	+12V @ 0-62A	750W	10.9x5.0x2.5	120	0.5	0.3	3	UL/CUL/TUV/CE/CB	**219.95**	**199.95**	**184.95**
373261	Mean Well	PSP-1500-12	+12V @ 0-112.5A	1350W	10.9x5.1x7.5	150	0.5	0.3	5	UL/CUL/TUV/CE/CB/PFC	**324.95**	**299.95**	**289.95**
202025	Mean Wellℛ	S-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
394193	Mean Well	SP-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
212410	Mean Wellℛ	SP-200-13.5	+13.5V @ 0-14.9A	201.1W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**
693572	Mean Wellℛ	S-320-13.5	+13.5V @ 0-22A	297W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**
693599	Mean Wellℛ	SP-320-13.5	+13.5V @ 0-22A	297W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
212389	Mean Wellℛ	SP-500-13.5	+13.5V @ 0-36A at 230VAC; 0-30.6A @ 115VAC	486W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB	**159.95**	**139.95**	**129.95**
2105439	Mean Wellℛ	AD-155A	+13.8V @ 0-5A 10.5A	151.6W	7.8x4.3x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**54.95**	**49.95**
1919060	Mean Wellℛ	RS-15-15	+15V @ 0-1A	15W	2.5x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**16.95**	**12.95**	**10.95**
123263	Mean Wellℛ	S-25-15	+15V @ 0-1.7A	25.5W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	**19.95**	**16.95**	**14.95**
323302	Mean Wellℛ	RS-25-15	+15V @ 0-1.7A	25.5W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**19.95**	**16.49**	**13.95**
323345	Mean Wellℛ	RS-35-15	+15V @ 0-2.4A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**21.95**	**17.95**	**14.95**
155053	Skynet	SNP-9548-M1	+15V @ 2.6A	39W	5.0x3.0x1.2	100	1.0	1.0	—	UL/CUL/CSA	**14.95**	**12.95**	**10.95**
202140	Mean Wellℛ	S-40-15	+15V @ 0-2.8A	42W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	**22.95**	**19.49**	**17.95**
323409	Mean Wellℛ	RS-50-15	+15V @ 0-3.4A	51W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**23.95**	**19.95**	**16.95**
123343	Mean Wellℛ	S-60-15	+15V @ 0-4A	60W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	**26.95**	**22.95**	**19.95**
323602	Mean Wellℛ	RS-75-15	+15V @ 0-5A	75W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**28.95**	**23.95**	**19.49**
194845	Mean Well	SP-75-15	+15V @ 0-5A	75W	7.0x3.8x1.3	80	0.5	0.5	3	UL/CUL/TUV/CE/CB	**42.95**	**36.95**	**31.95**
212450	Mean Well	S-100F-15	+15V @ 0-6.7A	100.5W	7.8x3.9x1.5	125	0.5	0.5	2	UL/CUL/TUV/CE/CB	**29.95**	**24.95**	**22.95**
212433	Mean Well	SP-100-15	+15V @ 0-6.7A	100.5W	7.0x3.9x1.8	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**46.95**	**41.95**	**36.95**
323724	Mean Wellℛ	RS-100-15	+15V @ 0-7A	105W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**39.95**	**32.95**	**26.95**
123432	Mean Wellℛ	S-150-15	+15V @ 0-10A	150W	7.0x4.3x2.0	180	0.3	0.3	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
323847	Mean Wellℛ	RS-150-15	+15V @ 0-10A	150W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**31.95**	**28.49**	**26.49**
173412	Mean Wellℛ	SP-150-15	+15V @ 0-10A	150W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
2094856	Mean Wellℛ	HRPG-150-15	+15V @ 0-10A	150W	6.3x3.8x1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**94.95**	**79.95**	**69.95**
202060	Mean Wellℛ	SP-200-15	+15V @ 0-13.4A	201W	7.0x3.9x2.0	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**

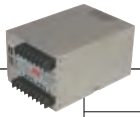
* Primary Output

More Enclosed Switching Power Supplies on pages 119 & 121-124

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Enclosed Switching AC-to-DC Power Supplies

Enclosed Switching AC-to-DC Power Supplies (Continued)


SP-500

★Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output: Voltage @ Current(min-max)	Output: Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info Pg. 120†	Certification	Pricing: 1	Pricing: 5	Pricing: 25
Single Output (Continued)													
374993	Mean Well	S-320-15	+15V @ 0-20A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	**$69.95**	**$62.95**	**$58.95**
693610	Mean Wellℛ	SP-320-15	+15V @ 0-20A	300W	8.5x4.5x2.0	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
693652	Mean Wellℛ	SP-480-15	+15V @ 0-35A	480W	10.9x5.0x1.7	150	0.5	0.3	3	UL/CUL/TUV/CE/CB/PFC	**144.95**	**134.95**	**124.95**
291522	Mean Well	SE-600-15	+15V @ 0-40A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	**119.95**	**109.95**	**99.95**
374222	Mean Wellℛ	PSP-600-15	+15V @ 0-40A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**149.95**	**134.95**	**119.95**
374045	Mean Well	SCN-600-15	+15V @ 0-40A	600W	11.5x5.2x2.7	150	0.5	0.5	4	UL/CUL/CB	**129.95**	**119.95**	**109.95**
2094901	Mean Wellℛ	HRPG-600-15	+15V @ 0-43A	645W	8.6x4.1x2.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**189.95**	**174.95**	**164.95**
694920	Mean Wellℛ	RSP-1500-15	+15V @ 0-100A	1500W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**424.95**	**389.95**	**359.95**
1919078	Mean Wellℛ	RS-15-24	+24V @ 0-0.625A	15W	2.5x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	**16.95**	**12.95**	**10.95**
123272	Mean Wellℛ	S-25-24	+24V @ 0-1.1A	26.4W	3.9x3.8x1.4	100	0.5	0.5	2	UL/TUV/CE	**19.95**	**16.95**	**14.95**
323311	Mean Wellℛ	RS-25-24	+24V @ 0-1.1A	26.4W	3.0x2.0x1.1	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**19.95**	**16.49**	**13.95**
323353	Mean Wellℛ	RS-35-24	+24V @ 0-1.5A	36W	3.9x3.2x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**21.95**	**17.95**	**14.95**
689792	Metapo	1M041C24-1M	+24V @ 0-1.8A	43W	4.8x3.8x1.5	100	0.5	0.5	—	UL/CUL/TUV/CE	**14.95**	**13.49**	**11.95**
123319	Mean Wellℛ	S-40-24	+24V @ 0-1.8A	43W	5.1x3.9x1.5	100	0.5	0.5	2	UL/CUL/TUV/CE/CB	**22.95**	**19.49**	**17.95**
2104225	Mean Wellℛ	NES-50-24	+24V @ 0-2.2A	52.8W	5.1x3.9x1.5	200	0.5	0.5	7	UL/CUL/CE/CB	**19.95**	**16.95**	**13.95**
323417	Mean Wellℛ	RS-50-24	+24V @ 0-2.2A	52.8W	3.9x3.8x1.4	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**23.95**	**19.95**	**16.95**
123352	Mean Wellℛ	S-60-24	+24V @ 0-2.5A	60W	6.3x3.8x1.5	150	0.5	0.5	2	UL/CUL/TUV/CE/CB	**26.95**	**22.95**	**19.95**
323620	Mean Wellℛ	RS-75-24	+24V @ 0-3.2A	76.8W	5.1x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**28.95**	**23.95**	**19.49**
2104250	Mean Wellℛ	NES-75-24	+24V @ 0-3.2A	76.8W	6.3x3.8x1.5	200	0.5	0.5	7	UL/CUL/CE/CB	**19.95**	**17.49**	**15.95**
194854	Mean Wellℛ	SP-75-24	+24V @ 0-3.2A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	**42.95**	**36.95**	**31.95**
194812	Mean Wellℛ	SP-100-24	+24V @ 0-4.2A	100.8W	7.0x3.9x1.8	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**46.95**	**41.95**	**36.95**
201971	Mean Wellℛ	S-100F-24	+24V @ 0-4.5A	108W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	**32.95**	**26.95**	**23.95**
323732	Mean Wellℛ	RS-100-24	+24V @ 0-4.5A	108W	6.3x3.8x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**39.95**	**32.95**	**26.95**
155651	Power One	MAP110-1024CM	+24V @ 5A or +28V @ 4.3A	110W	7.0x4.3x1.8	240	0.5	1.0	—	UL/CSA/TUV	**24.95**	**22.95**	**19.95**
1945920	APS	RP1150-24C	+24V @ 0-6.25A	150W	7.5x4.2x2.0	100	1.0	1.0	—	UL/CE	**24.95**	**22.49**	**19.95**
173404	Mean Wellℛ	SP-150-24	+24V @ 0-6.25A	150W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**44.95**	**39.95**	**36.95**
371012	Potrans	GL150W-24-NC	+24V @ 6.5A	156W	7.8x3.7x2.5	180	2.0	2.0	—	UL/CUL/TUV/CE	**26.95**	**23.95**	**19.95**
123450	Mean Wellℛ	S-150-24	+24V @ 0-6.5A	156W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
323855	Mean Wellℛ	RS-150-24	+24V @ 0-6.5A	156W	7.8x3.9x1.5	120	0.5	0.5	1	UL/CUL/TUV/CE/CB	**31.95**	**28.49**	**26.49**
2094864	Mean Wellℛ	HRPG-150-24	+24V @ 0-6.5A	156W	6.3x3.8x1.5	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**94.95**	**79.95**	**69.95**
2135523	TDK/Lambda	HWS150-24/A	+24V @ 0-6.5A	156W	6.3x1.7x3.2	150	0.5	0.3	—	UL/CSA/CE/EN/IEC	**99.95**	**89.95**	**79.95**
194782	Mean Wellℛ	SP-200-24	+24V @ 0-8.4A	201.6W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**
2104583	Mean Wellℛ	S-250-24	+24V @ 0-10A	240W	5.9x5.5x3.4	120	0.5	0.5	2	UL/CUL	**55.95**	**49.95**	**44.95**
2101518	Mean Wellℛ	SP-240-24	+24V @ 0-10A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**55.95**
196657	Mean Wellℛ	S-320-24	+24V @ 0-12.5A	300W	8.5x4.5x2.0	150	0.5	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**
244752	Mean Wellℛ	SP-320-24	+24V @ 0-13A	312W	8.5x4.5x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
2102220	Mean Wellℛ	HRP-300-24	+24V @ 0-14A	336W	7.7x4.1x1.6	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**114.95**	**104.95**	**94.95**
2094881	Mean Wellℛ	HRPG-300-24	+24V @ 0-14A	336W	7.8x4.1x1.6	150	0.5	0.3	6	UL/CUL/TUV/CE/CB/PFC	**119.95**	**114.95**	**109.95**
2101606	Mean Wellℛ	SE-450-24	+24V @ 0-18.8A	451.2W	8.9x4.9x2.0	200	0.5	0.2	8	UL/CUL	**99.95**	**92.95**	**86.95**
2122335	Mean Wellℛ	HRP-450-24	+24V @ 0-18.8A	451.2W	8.6x4.1x1.6	150	0.5	0.2	6	UL/CUL/TUV/CE/CB/PFC	**164.95**	**148.49**	**133.95**
301322	Mean Wellℛ	SP-480-24	+24V @ 0-22A	480W	10.9x5.0x1.7	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**144.95**	**134.95**	**124.95**
147054	Mean Wellℛ	SP-500-24	+24V @ 0-20A	480W	6.7x4.7x3.7	240	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**159.95**	**139.95**	**129.95**
295902	Mean Well	SE-600-24	+24V @ 0-25A	600W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	**119.95**	**109.95**	**99.95**
374231	Mean Wellℛ	PSP-600-24	+24V @ 0-25A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**149.95**	**134.95**	**119.95**
320048	Mean Wellℛ	SP-750-24	+24V @ 0-31.3A	750W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	**219.95**	**199.95**	**184.95**
374310	Mean Well	SCP-800-24	+24V @ 0-33A	792W	11.4x4.7x2.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB	**199.95**	**189.95**	**179.95**
1585717	Mean Wellℛ	RSP-1000-24	+24V @ 0-40A	960W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**319.95**	**299.95**	**279.95**
2101569	Mean Wellℛ	RE-1000-24	+24V @ 0-41.7A	1000.8W	10.9x5.0x2.5	200	0.5	0.5	4	UL/CUL	**209.95**	**184.95**	**164.95**
694938	Mean Wellℛ	RSP-1500-24	+24V @ 0-63A	1512W	10.9x5.0x3.3	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**389.95**	**369.95**	**349.95**
693409	Mean Wellℛ	SP-75-27	+27V @ 0-2.8A	75.6W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB	**42.95**	**36.95**	**31.95**
202033	Mean Wellℛ	S-150-27	+27V @ 0-5.6A	151.2W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
693513	Mean Wellℛ	SP-150-27	+27V @ 0-5.6A	151.2W	7.8x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**44.95**	**39.95**	**36.95**
693548	Mean Wellℛ	SP-200-27	+27V @ 0-7.5A	202.5W	7.0x3.9x2.0	150	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**
693581	Mean Wellℛ	S-320-27	+27V @ 0-11.0A	297W	8.5x4.5x2.0	200	0.5	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**
693628	Mean Wellℛ	SP-320-27	+27V @ 0-11.7A	315.9W	8.5x4.5x2.0	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
190706	Mean Wellℛ	SP-500-27	+27V @ 0-18A	486W	6.7x4.7x3.7	200	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**159.95**	**139.95**	**129.95**
295911	Mean Well	SE-600-27	+27V @ 0-22.2A	599.4W	9.7x5.0x2.5	150	0.5	0.5	8	UL/CUL	**119.95**	**109.95**	**99.95**
374257	Mean Wellℛ	PSP-600-27	+27V @ 0-22.2A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**149.95**	**134.95**	**119.95**
374038	Mean Wellℛ	SP-750-27	+27V @ 0-27.8A	750W	10.9x5.0x2.5	120	0.5	0.2	3	UL/CUL/TUV/CE/CB	**219.95**	**199.95**	**184.95**
231652	Mean Wellℛ	PSP-1000-27	+27V @ 0-33.6A	907.2W	10.9x5.1x5.0	150	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	**299.95**	**279.95**	**259.95**

* Primary Output

More Enclosed Switching Power Supplies on pages 119-120 & 122-124

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Enclosed Switching AC-to-DC Power Supplies

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

Enclosed Switching AC-to-DC Power Supplies (Continued)

SP-200

★ *Web Code: EPS*

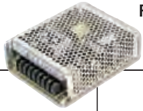
Part No.	Manufacturer	Mfr. Part No.	Output		Size	Ripple & Noise	Load Reg.	Line Reg.	Additional Info	Certification	Pricing		
			Voltage @ Current (min-max)	Power	(L"xW"xH")	(mV p-p)*	(±%)*	(±%)*	(Pg 120)†		1	5	25
Single Output (Continued)													
1585709	Mean Wellℛ	RSP-1000-27	+27V @ 0-37.0A	999W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**$319.95**	**$299.95**	**$279.95**
2102983	Mean Wellℛ	PB-120N-27C#	+27.6V @ 0-4.3A	118.7W	7.1x3.8x1.9	150	§	§	—	UL/CUL/TUV/CE/CB	**69.95**	**62.95**	**56.95**
2102473	Mean Wellℛ	SP-240-30	+30V @ 0-8A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**55.95**
2101024	Mean Wellℛ	HRP-75-36	+36V @ 0-2.1A	75.6W	5.1x3.9x1.5	200	0.5	0.2	3	UL/CUL/TUV/CE/CB	**56.95**	**51.95**	**46.95**
2101753	Mean Wellℛ	HRPG-600-36	+36V @ 0-17.5A	630W	8.6x4.1x2.5	200	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**189.95**	**174.95**	**164.95**
693206	Mean Wellℛ	RS-25-48	+48V @ 0-0.57A	27.4W	3.1x2.0x1.1	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	**19.95**	**16.49**	**13.95**
693249	Mean Wellℛ	RS-50-48	+48V @ 0-1.1A	52.8W	3.9x3.8x1.4	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	**23.95**	**19.95**	**16.95**
216805	Mean Well	SP-75-48	+48V @ 0-1.6A	76.8W	7.0x3.9x1.3	100	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**36.95**	**31.95**	**29.95**
216793	Mean Wellℛ	S-100F-48	+48V @ 0-2.2A	105.6W	7.8x3.9x1.5	150	0.5	0.5	2	UL/TUV/CE/CB	**32.95**	**26.95**	**23.95**
167346	Mean Welℛ	S-150-48	+48V @ 0-3.2A	153.6W	7.0x4.3x2.0	240	0.2	0.2	2	UL/CUL/TUV/CE/CB	**34.95**	**32.49**	**29.95**
201929	Mean Well	SP-150-48	+48V @ 0-3.2A	154W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE	**24.95**	**22.49**	**19.95**
201930	Mean Wellℛ	SP-150-48	+48V @ 0-3.2A	153.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
323863	Mean Wellℛ	RS-150-48	+48V @ 0-3.3A	158.4W	7.8x3.9x1.5	200	0.5	0.5	1	UL/CUL/TUV/CE/CB	**31.95**	**28.49**	**26.49**
202068	Mean Wellℛ	SP-200-48	+48V @ 0-4.2A	201.6W	7.0x3.9x2.0	250	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**54.95**	**49.95**	**44.95**
2102481	Mean Wellℛ	SP-240-48	+48V @ 0-5A	240W	7.5x3.7x2.0	150	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**55.95**
207191	Mean Well	S-320-48	+48V @ 0-6.5A	312W	8.5x4.5x2.0	240	0.5	0.5	2	UL/CUL	**69.95**	**62.95**	**58.95**
244770	Mean Wellℛ	SP-320-48	+48V @ 0-6.7A	321.6W	8.5x4.5x2.0	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**64.95**	**59.95**	**54.95**
2105164	Mean Wellℛ	SE-450-48	+48V @ 0-9.4A	451.2W	8.9x4.9x2.0	200	0.5	0.2	8	UL/CUL	**99.95**	**92.95**	**86.95**
301402	Mean Wellℛ	SP-480-48	+48V @ 0-11A	480W	10.9x5.0x1.7	240	0.5	0.2	3	UL/CUL/TUV/CE/CB/PFC	**144.95**	**134.95**	**124.95**
161796	Mean Wellℛ	SP-500-48	+48V @ 0-10A	480W	6.7x4.7x3.7	300	0.5	0.5	3	UL/CUL/TUV/CE/CB/PFC	**159.95**	**139.95**	**129.95**
190749	Mean Wellℛ	PSP-500-48	+48V @ 0-10.5A	504W	10.9x5.1x7.5	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	**179.95**	**165.95**	**139.95**
295929	Mean Well	SE-600-48	+48V @ 0-12.5A	600W	9.7x5.0x2.5	200	0.5	0.5	8	UL/CUL	**119.95**	**109.95**	**99.95**
374249	Mean Wellℛ	PSP-600-48	+48V @ 0-12.5A	600W	6.7x4.7x3.7	240	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**149.95**	**134.95**	**119.95**
217350	Mean Wellℛ	PSP-1000-48	+48V @ 0-19.0A	912W	10.9x5.1x5.0	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	**299.95**	**279.95**	**259.95**
1585725	Mean Wellℛ	RSP-1000-48	+48V @ 0-21.0A	1008W	11.6x5.0x1.6	150	0.5	0.5	5	UL/CUL/TUV/CE/CB	**319.95**	**299.95**	**279.95**
231722	Mean Well	PSP-1500-48	+48V @ 0-28.5A	1368W	10.9x5.1x7.5	200	0.5	0.2	5	UL/CUL/TUV/CE/CB/PFC	**299.95**	**284.95**	**269.95**
694954	Mean Wellℛ	RSP-1500-48	+48V @ 0-32.0A	1536W	10.9x5.0x3.3	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**389.95**	**369.95**	**349.95**
2108921	Mean Wellℛ	RSP-3000-48	+48V @ 0-62.5A	3000W	10.9x7.0x2.5	200	0.5	0.5	5	UL/CUL/TUV/CE/CB/PFC	**579.95**	**539.95**	**499.95**
Double Output													
323362	Mean Wellℛ	RD-35A	+5V @ 0.3-4A; +12V @ 0.2-1A	32W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**$26.95**	**$22.95**	**$18.95**
323380	Mean Wellℛ	RD-35B	+5V @ 0.3-4A; +24V @ 0.2-1.3A	51.2W	3.9x3.2x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**26.95**	**22.95**	**18.95**
323425	Mean Wellℛ	RD-50A	+5V @ 0.3-6A; +12V @ 0.3-3A	54W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**27.95**	**24.95**	**21.95**
323433	Mean Wellℛ	RD-50B	+5V @ 0.3-6A; +24V @ 0.2-2A	53.6W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**27.95**	**24.95**	**21.95**
123458	Mean Wellℛ	D-60A	+5V @ 0.3-4A; +12V @ 0.2-3A	56W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	**32.95**	**26.95**	**22.95**
123466	Mean Wellℛ	D-60B	+5V @ 0.3-3A; +24V @ 0.2-1.8A	58W	6.3x3.8x1.5	75	0.5	0.5	2	UL/CUL/TUV/CE/CB	**32.95**	**26.95**	**22.95**
323505	Mean Wellℛ	RD-65A	+5V @ 0.3-8A; +12V @ 0.2-4A	66W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**26.95**	**23.95**	**22.49**
323513	Mean Wellℛ	RD-65B	+5V @ 0.3-8A; +24V @ 0.2-3A	68W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**26.95**	**23.95**	**22.49**
323628	Mean Wellℛ	RD-85A	+5V @ 2.0-10A; +12V @ 0.3-5A	88W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**51.95**	**48.95**	**45.95**
132410	Mean Wellℛ	D-120A	+5V @ 2.0-12A; +12V @ 0.5-5A	120W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	**44.95**	**37.95**	**34.95**
132397	Mean Wellℛ	D-120B	+5V @ 2.0-6A; +24V @ 0.4-4A	126W	7.0x3.9x2.0	60	0.5	0.5	2	UL/CUL/TUV/CE/CB	**44.95**	**37.95**	**34.95**
323741	Mean Wellℛ	RD-125A	+5V @ 2.0-15A; +12V @ 0.5-10A	130.9W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	**53.95**	**49.95**	**46.95**
323759	Mean Wellℛ	RD-125B	+5V @ 2.0-10A; +24V @ 0.4-5A	133.4W	7.8x3.9x1.5	80	3.0	1.0	1	UL/CUL/TUV/CE/CB	**53.95**	**49.95**	**46.95**
2106124	Mean Wellℛ	RD-125-1224	+12V @ 1.0-3.7A; +24V @ 0.4-3.7A	133.2W	7.8x3.9x1.5	120	1.0	0.5	1	UL/CUL/TUV/CE/CB	**53.95**	**49.95**	**46.95**
Triple Output													
201989	Mean Wellℛ	T-40A	+5V @ 0.6-3A; +12V @ 0.2-2A; -5V @ 0.1-0.5A	41.5W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	**$31.95**	**$26.95**	**$22.95**
201997	Mean Wellℛ	T-40B	+5V @ 0.6-3A; +12V @ 0.2-2A; -12V @ 0.1-0.5A	45W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	**31.95**	**26.95**	**22.95**
202009	Mean Wellℛ	T-40C	+5V @ 0.6-3A; +15V @ 0.2-1.5A; -15V @ 0.1-0.5A	45W	5.1x3.9x1.5	100	0.5	0.5	2	CSA/CE	**31.95**	**26.95**	**22.95**
323442	Mean Wellℛ	RT-50A	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -5V @ 0.5-5A	46.5W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**24.95**	**22.95**	**19.95**
323460	Mean Wellℛ	RT-50B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0.1-1A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**33.95**	**31.95**	**29.95**
323468	Mean Wellℛ	RT-50C	+5V @ 0-5A; +15V @ 0.2-2A; -15V @ 0.1-1A	50W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**33.95**	**31.95**	**29.95**
323476	Mean Wellℛ	RT-50D	+5V @ 0.5-5A; +12V @ 0.1-1A; +24V @ 0.2-1.5A	51W	3.9x3.8x1.4	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**33.95**	**31.95**	**29.95**
123482	Mean Wellℛ	T-60B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	61W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	**34.95**	**28.95**	**23.95**
123491	Mean Wellℛ	T-60C	+5V @ 0.5-5A; +15V @ 0.2-2A; -15V @ 0-0.5A	62.5W	6.3x3.8x1.5	100	1.0	0.5	2	UL/CUL/TUV/CE/CB	**34.95**	**28.95**	**23.95**
323540	Mean Wellℛ	RT-65B	+5V @ 0.5-8A; +12V @ 0.2-3.5A; -12V @ 0-1A	64.6W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**38.95**	**35.95**	**33.95**
323548	Mean Wellℛ	RT-65C	+5V @ 0.5-8A; +15V @ 0.2-3A; -15V @ 0-1A	65.5W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**38.95**	**35.95**	**33.95**
323555	Mean Wellℛ	RT-65D	+5V @ 0.5-8A; +12V @ 0.1-1A; +24V @ 0.2-2A	68W	5.1x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**38.95**	**35.95**	**33.95**
213794	Mean Well	TP-100A	+5V @ 3-10A; +12V @ 0.4-4A; -5V @ 0-0.6A	100W	7.8x3.9x2.0	100	3.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	**49.95**	**47.95**	**45.95**

*Primary Output # See complete specs on page 129 § Load line regulation is dependent on battery current requirement

More Enclosed Switching Power Supplies on page 119-121 & 123-124

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Enclosed Switching AC-to-DC Power Supplies (Continued)


RQ-65

★ Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Output Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Additional Info (Pg 120)†	Certification	Pricing 1	Pricing 5	Pricing 25
Triple Output (Continued)													
301509	Mean Well ℛ	T-120B	+5V @ 2-12A; +12V @ 0.5-5A; -12V @ 0.2-1A	121W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	**$44.95**	**$39.95**	**$36.95**
323767	Mean Well ℛ	RT-125A	+5V @ 2-15A; +12V @ 0.5-6A; -5V @ 0.1-1A	131W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**39.95**	**36.95**	**33.95**
323775	Mean Well ℛ	RT-125B	+5V @ 2-15A; +12V @ 0.5-6A; -12V @ 0.1-1A	132W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**54.95**	**49.95**	**46.95**
323783	Mean Well ℛ	RT-125C	+5V @ 2-15A; +15V @ 0.5-6A; -15V @ 0.1-1A	132.5W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**54.95**	**49.95**	**46.95**
323792	Mean Well ℛ	RT-125D	+5V @ 2-15A; +12V @ 0.1-2A; +24V @ 0.4-4A	136W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**44.95**	**38.95**	**33.95**
Quad Output													
323484	Mean Well ℛ	RQ-50B	+5V @ 0.5-6A; +12V @ 0.2-1.5A; -5V @ 0-1A; -12V @ 0-1A	45.5W	3.9x3.8x1.4	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**$34.95**	**$29.95**	**$26.95**
147045	Mean Well	Q-60B	+5V @ 0.5-5.5A; +12V @ 0.1-2A; -5V @ 0-0.5A; -12V @ 0-0.5A	60W	6.3x3.8x1.5	100	0.5	0.5	2	UL/CUL/CE	**24.95**	**22.49**	**19.95**
147046	Mean Well ℛ	Q-60B	+5V @ 0.5-5.5A; +12V @ 0.1-2A; -5V @ 0-0.5A; -12V @ 0-0.5A	60W	6.3x3.8x1.5	100	0.5	0.5	2	UL/CUL/CE/CB	**29.95**	**26.95**	**23.95**
323564	Mean Well ℛ	RQ-65B	+5V @ 0.5-8A; +12V @ 0.2-3A; -5V @ 0-1A; -12V @ 0-1A	62.5W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**39.95**	**34.95**	**29.95**
323572	Mean Well ℛ	RQ-65D	+5V @ 0.5-8A; +12V @ 0.2-3A; +24V @ 0.1-1.5A; -12V @ 0-1A	68W	5.1x3.9x1.5	80	0.5	0.5	1	UL/CUL/TUV/CE/CB	**39.95**	**36.95**	**34.95**
323695	Mean Well ℛ	RQ-85D	+5V @ 2-10A; +12V @ 0.3-4A; +24V @ 0.1-1.5A; -12V @ 0-1A	84W	6.3x3.8x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**54.95**	**51.95**	**48.95**
132389	Mean Well ℛ	Q-120B	+5V @ 2-11A; +12V @ 0.5-4A; -5V @ 0.2-1A; -12V @ 0.2-1A	120W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	**39.95**	**35.95**	**32.95**
132371	Mean Well ℛ	Q-120D	+5V @ 2-8A; +12V @ 0.2-2A; +24V @ 0.2-2A; -12V @ 0.2-1A	124W	7.0x3.9x2.0	80	0.5	0.5	2	UL/CUL/TUV/CE/CB	**54.95**	**44.95**	**38.95**
323812	Mean Well ℛ	RQ-125D	+5V @ 2-12A; +12V @ 0.5-4A; +24V @ 0.1-2.5A; -12V @ 0-1A	124W	7.8x3.9x1.5	80	1.0	0.5	1	UL/CUL/TUV/CE/CB	**44.95**	**41.49**	**38.95**
213648	Mean Well ℛ	QP-150F	+5V @ 3-10A; +15V @ 0-3A; +24V @ 0.4-2A; -15V @ 0-0.6A	152W	7.8x3.9x1.5	120	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	**104.95**	**94.95**	**84.95**
213752	Mean Well ℛ	QP-200D	+5V @ 3-15A; +12V @ 0-4A +24V @ 0.4-3A; -12V @ 0-0.7A	204.9W	7.8x3.9x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/CB/PFC	**129.95**	**109.95**	**89.95**
668764	Mean Well ℛ	QP-320D	+5V @ 2.5-20A; +12V @ 0-10A; +24V @ 0.2-5A; -12V @ 0.2-2A	316W	8.5x4.5x2.0	100	2.0	1.0	3	UL/CUL/TUV/CE/PFC	**154.95**	**139.95**	**124.95**

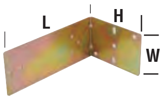
*Primary Output

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

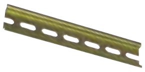
All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

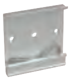
★ Web Code: MBM

Part No.	Product No.	For Models	1	10
222122	DRL-01ℛ	S-25/40, RS-25/35	**$.69**	**$.59**
222148	DRL-03	S-240/320, SP-320	**1.39**	**1.25**
222173	DRP-03ℛ	All Models	**1.25**	**1.15**
222182	MHS012ℛ	S-320/350, SP-100/150/200/320	**.49**	**.39**
222199	MHS025	SP-500, PSP-600	**.59**	**.49**
248736	2094.0ℛ-	DR, DRH, DRP, DRT, MDR	**7.95**	**6.95**



222122 4.35"L x 1.73"W x 2.52"H
222148 7.875"L x 2.48"W x 1.80"H


248736 (DIN Mounting Rail)
Length: 1 meter


222173
1.75"L x 1.97"W x .345"H

222182
.767"L x .60"W x .625"H

222199
5.51"L x 7.89"W x .068"H

Mating Connector

103588 $1.70/10
Spade Solderless
Terminal

Crimp Tool

72996 $24.95
Solderless
Terminal
Crimp Tool

Pricing & specs on page 74

Encapsulated Switching Power Supplies

★ Web Code: ESP

PM-05 and PM-10 Series:

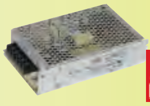
- Universal AC input (85-264VAC @ 47Hz)
- Short-circuit, overload, overvoltage protection
- Ultra-miniature size
- UL/CUL/TUV/CE/CB
- Cooling by free air convection
- 100% full-load burn-in test
- Three-year warranty

PM-05-12

Part No.	Manufacturer	Mfr. P/N	Output Volt.@Curr. (min-max)	Output Pwr (W)	Pins	Ripple & Noise (mVp-p)	Load Reg (±%)	Line Reg (±%)	Size (L" x W" x H")	Pricing 1	Pricing 10	Pricing 50
1954527	Mean Well ℛ	PM-05-12	+12V @ 0-0.42A	5.04	4	150	1.0	0.5	2.5 x 2.0 x 0.8	**$16.49**	**$14.49**	**$12.49**
1954551	Mean Well ℛ	PM-10-12	+12V @ 0-0.85A	10.2	4	150	1.0	0.5	2.8 x 2.0 x 0.9	**17.49**	**15.49**	**13.95**
1954535	Mean Well ℛ	PM-05-24	+24V @ 0-0.23A	5.52	4	240	0.5	0.5	2.5 x 2.0 x 0.8	**16.49**	**14.49**	**12.49**
1954560	Mean Well ℛ	PM-10-24	+24V @ 0-0.42A	10.1	4	240	0.5	0.5	2.8 x 2.0 x 0.9	**17.49**	**15.49**	**13.95**

BEST SELLING – ENCLOSED AC-TO-DC SWITCHING POWER SUPPLIES

P/N 323300	RS-25-12	**$19.95**	(pg.119)
P/N 123450	S-150-24	**34.95**	(pg.121)
P/N 2108921	RSP-300-48	**579.95**	(pg.122)



P/N 132397	D-120B	**$44.95**	(pg.122)
P/N 323555	RT-65D	**38.95**	(pg.122)
P/N 323572	RQ-65D	**39.95**	(pg.123)

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

LED Enclosed Power Supplies

For Indoor and Outdoor Applications

- Input voltage: 90-264VAC @ 47-63Hz
- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- 100% full-load burn-in test
- Universal AC input/full range
- Cooling by free air convection
- UL1310 class 2 power unit

PLN Series

LPC/LPV/ELN/PLN Series
- Plastic case
- Working temperature: -30˚C to 50˚C
- Constant voltage and current
- Inrush current: 40A/230VAC
- Two-year warranty

CLG Series
- Metal case
- Working temperature: -30˚C to 70˚C
- Adjustable voltage and current
- Inrush current: 40A/230VAC
- Built-in active PFC function
- Three-year warranty

HLG Series
- Metal case
- Working temperature: -30˚C to 60˚C
- Adjustable voltage and constant current
- Inrush current: 75A/230VAC
- Built-in active PFC function
- Three-year warranty

PLP Series
- Open frame
- Working temperature: -30˚C to 70˚C
- Output current level adjustable
- Inrush current: 42A/230VAC
- Built-in PFC function
- Two-year warranty

PLC Series
- Plastic case
- Working temperature: -30˚C to 50˚C
- Adjustable voltage and current
- Inrush current: 40A/230VAC
- Built-in constant current limiting circuit
- Two-year warranty

LPF Series
- Plastic case
- Working temperature: -40˚C to 70˚C
- Built-in active PFC function
- Inrush current: 75A/230VAC
- Three-year warranty

★ Web Code: LPP

NEW MARKED IN PINK

Part No.	Manufacturer	Mfr. Part No.	Output		Size (L" x W" x H")	Enclosure Rating	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage @ Current (min-max)	Power (W)							1	5	25
2103222	Mean Wellℛ	LPV-20-5	+5V @ 0-3A	15	4.6 x 1.4 x 1.0	IP67	80	2.0	1.0	UL/CUL/TUV/CSA/CE	$14.95	$13.75	$12.49
2103821	Mean Wellℛ	PLC-30-9	+9V @ 0-3.3A	29.7	6.3 x 1.8 x 1.2	—	2600	5.0	3.0	UL/CUL/TUV/CSA/CE/PFC	28.95	26.95	25.49
2105287	Mean Wellℛ	ELN-30-9	+9V @ 0-3.4A	30.6	5.7 x 1.9 x 1.2	IP64	100	2.0	1.0	UL/TUV/CSA/CE	27.95	24.95	22.95
2101315	Mean Wellℛ	LPC-60-1400	+9-42V @ 1.4A	58.8	6.4 x 1.7 x 1.3	IP67	200	2.0	1.0	UL/CUL/TUV/CE	22.95	21.95	20.95
2101307	Mean Wellℛ	LPC-35-700	+9-48V @ 0.7A	33.6	5.8 x 1.6 x 1.2	IP67	200	2.0	1.0	UL/TUV/CE	19.95	18.95	17.95
2120233	Advance	LED120A0012V10F†	+12V @ 1A	12	5.2 x 1.3 x 1.0	IP66	2000	5.0	1.0	UL/CUL/CSA	12.95	11.49	9.95
2102596	Mean Wellℛ	LPV-20-12	+12V @ 0-1.67A	20	4.6 x 1.4 x 1.0	IP67	120	2.0	1.0	UL/CUL/TUV/CSA/CE	14.95	13.75	12.49
1954404	Mean Wellℛ	PLN-30-12	+12V @ 0-2.5A	30	5.7 x 1.9 x 1.2	IP64	2000	5.0	3.0	UL/CUL/TUV/CE	27.95	25.95	24.49
2103142	Mean Wellℛ	LPV-35-12	+12V @ 0-3A	36	5.8 x 1.6 x 1.2	IP67	120	2.0	1.0	UL/CUL/TUV/CSA/CE	18.95	17.95	16.95
2122976	Mean Wellℛ	PLN-45-12	+12V @ 0-3.8A	45.6	7.1 x 2.4 x 1.3	IP64	2000	5.0	3.0	UL/CUL/TUV/CE/PFC	29.95	26.95	22.95
2103169	Mean Wellℛ	LPV-60-12	+12V @ 0-5A	60	6.4 x 1.7 x 1.3	IP67	120	2.0	1.0	UL/CUL/TUV/CSA/CE	21.95	20.49	19.49
2105308	Mean Well	ELN-60-12	+12V @ 0-5A	60	7.1 x 2.4 x 1.4	IP64	120	2.0	1.0	UL/CUL/TUV/CSA/CE	32.95	28.95	26.49
1918913	Mean Wellℛ	PLN-60-12	+12V @ 0-5A	60	7.1 x 2.4 x 1.4	IP64	2000	5.0	3.0	UL/CUL/TUV/CE/PFC	42.95	39.95	36.95
1918921	Mean Wellℛ	CLG-60-12	+12V @ 0-5A	60	7.7 x 2.4 x 1.5	IP67	2000	5.0	3.0	UL/CUL/TUV/CE	49.95	46.95	43.95
1918833	Mean Wellℛ	PLN-100-12	+12V @ 5A	60	7.9 x 2.8 x 1.4	IP64	150	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	54.95	50.95	47.95
1954877	Mean Wellℛ	CLG-150-12A	+12V @ 0-11A	132	8.7 x 2.7 x 1.5	IP65	150	1.0	0.5	UL/TUV/CE	72.95	68.95	65.95
2108699	Mean Wellℛ	CLG-150-12	+12V @ 11A	132	8.7 x 2.7 x 1.5	IP67	150	1.0	0.5	UL/CUL/TUV/CE/PFC	72.95	68.95	65.95
2102609	Mean Wellℛ	LPV-20-15	+15V @ 0-1.33A	20	4.6 x 1.4 x 1.0	IP67	120	2.0	1.0	UL/TUV/CE	10.95	9.95	8.95
1918964	Mean Wellℛ	PLN-60-15	+15V @ 0-4A	60	7.1 x 2.4 x 1.4	IP64	2400	5.0	3.0	UL/CUL/TUV/CE	39.95	37.95	35.95
1919001	Mean Wellℛ	CLG-60-15	+15V @ 0-4A	60	6.8 x 2.4 x 1.5	IP67	2400	5.0	3.0	UL/CUL/TUV/CE	49.95	46.95	43.95
1585856	Mean Wellℛ	CLG-100-15	+15V @ 0-5A	75	8.7 x 2.7 x 1.5	IP67	150	2.0	1.0	UL/CUL/TUV/CE/PFC	66.95	62.95	58.95
2102617	Mean Wellℛ	LPV-20-24	+24V @ 0-0.84A	20.2	4.6 x 1.4 x 1.0	IP67	150	2.0	1.0	UL/CUL/TUV/CE	14.95	13.75	12.49
2105210	Mean Wellℛ	ELN-30-24	+24V @ 0-1.25A	30	5.7 x 1.9 x 1.2	IP64	150	2.0	1.0	UL/CUL/TUV/CE	27.95	24.95	22.95
2102799	Mean Wellℛ	LPV-35-24	+24V @ 0-1.5A	36	5.8 x 1.6 x 1.2	IP67	150	2.0	1.0	UL/CUL/TUV/CE	18.95	17.95	16.95
2140592	Mean Wellℛ	LPF-40D-24	+24V @ 1.67A	40	6.4 x 1.7 x 1.3	IP67	150	0.5	0.5	UL/CUL/TUV/CB/CE	45.95	40.95	35.95
2102801	Mean Wellℛ	LPV-60-24	+24V @ 0-2.5A	60	6.4 x 1.7 x 1.3	IP67	150	2.0	1.0	UL/CUL/TUV/CE	21.95	20.49	19.49
2104840	Mean Wellℛ	PLP-60-24††	+24V @ 0-2.5A	60	4.0 x 2.0 x 1.2	—	4500	5.0	3.0	TUV/CB/CE	32.95	29.95	26.95
1919027	Mean Wellℛ	CLG-60-24	+24V @ 0-2.5A	60	7.7 x 2.4 x 1.5	IP67	2700	5.0	3.0	UL/CUL/TUV/CE	49.95	46.95	43.95
2103871	Mean Wellℛ	PLC-100-24	+24V @ 0-4A	96	7.9 x 2.7 x 1.4	—	150	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	49.95	47.95	45.95
1585872	Mean Wellℛ	CLG-100-24	+24V @ 0-4A	96	8.7 x 2.7 x 1.5	IP67	150	2.0	1.0	UL/CUL/TUV/CE/PFC	66.95	62.95	58.95
1954885	Mean Wellℛ	CLG-150-24A	+24V @ 0-6.3A	150	8.7 x 2.7 x 1.5	IP65	150	1.0	0.5	UL/TUV/CE	72.95	68.95	65.95
2123012	Mean Wellℛ	PLN-45-27	+27V @ 0-1.7A	45.9	7.1 x 2.4 x 1.4	IP64	2700	5.0	3.0	UL/CUL/TUV/CSA/CE/PFC	43.95	41.95	39.95
2105261	Mean Wellℛ	ELN-60-27	+27V @ 0-2.3A	62.1	7.1 x 2.4 x 1.4	IP64	200	2.0	1.0	UL/CUL/TUV/CSA/CE	32.95	28.95	26.49
2100574	Mean Wellℛ	PLN-60-27	+27V @ 0-2.3A	62.1	7.1 x 2.4 x 1.4	IP64	2700	5.0	3.0	UL/CE	42.95	39.95	36.95
2102051	Mean Wellℛ	CLG-150-30B	+30V @ 5A	150	8.7 x 2.7 x 1.5	IP67	150	0.5	0.5	UL/TUV/CE	59.95	53.95	47.95
1585750	Mean Wellℛ	CLG-100-36	+36V @ 2.65A	96	8.7 x 2.7 x 1.5	IP67	150	2.0	1.0	UL/CUL/TUV/CE/PFC	39.95	35.95	29.95
2101121	Mean Wellℛ	LPC-20-350	+48V @ 0-0.35A	16.8	4.6 x 1.4 x 1.0	IP67	200	2.0	1.0	UL/CUL	13.95	12.95	11.95
2105279	Mean Wellℛ	ELN-60-48	+48V @ 0-1.3A	62.5	7.1 x 2.4 x 1.4	IP64	250	2.0	1.0	UL/TUV/CE	32.95	28.95	26.49
2136745	Mean Wellℛ	HLG-185H-48B	+48V @ 3.9A	187.2	9.0 x 2.7 x 1.5	IP67	200	0.5	0.5	UL/CUL/TUV/CE/PFC	79.95	72.95	68.95

*Primary Output †Input voltage: 120VAC @ 50/60Hz ††Open frame

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

MEAN WELL

DIN-Rail Switching Power Supplies

★Web Code: RBY

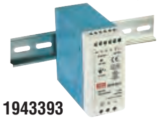
- Short-circuit, overload, overvoltage protection
- Low cost, high reliability
- 100% full-load burn-in test
- For DIN mounting rail, see page 123
- For DIN-Rail terminal blocks see pg 73
- Universal AC input range
- Soft-start circuit, limiting AC surge current

UL-508

373182 (Fig. 1)

1943300
(Fig. 2)
Rail not included

192699 (Fig. 3)


1943393
(Fig. 4)
Rail not included

1943449
(Fig. 5)
Rail not included

212291 (Fig. 6)

212274 (Fig. 7)

2081086
(Fig. 8)
Rail not included

2101391
(Fig. 9)
Rail not included

221892 (Fig. 10)

252663 (Fig. 11)

2094944
(Fig. 12)
Rail not included

Part No.	Mfr. Part No.	Fig.	Output Volts @ Curr.	Pwr (W)	Input Voltage (VAC @ Hz/VDC)	Input Current @ Max Load	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
2101243	DR-15-5ℛ	1	5VDC @ 2.4A	12	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	1.0 x 3.7 x 2.2	0.2	**$21.49**	**$19.95**	**$18.95**
373174	DR-30-5ℛ	1	5VDC @ 3A	15	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	**24.95**	**22.95**	**21.49**
1943300	MDR-20-5ℛ	2	5VDC @ 3A	15	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	**24.95**	**22.95**	**20.49**
212303	DR-4505ℛ	3	5VDC @ 5A	25	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.9	**27.95**	**25.95**	**23.95**
1943393	MDR-40-5ℛ	4	5VDC @ 6A	30	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	**32.95**	**31.49**	**29.95**
1943449	MDR-60-5ℛ	5	5VDC @ 10A	50	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	**36.95**	**34.95**	**32.95**
1952978	MDR-10-12ℛ	2	12VDC @ 0.84A	10	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	**21.95**	**20.49**	**19.49**
2094952	DR-15-12ℛ	1	12VDC @ 1.25A	15	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	**21.49**	**19.95**	**18.95**
1943334	MDR-20-12ℛ	2	12VDC @ 1.67A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	**24.95**	**22.95**	**20.49**
373182	DR-30-12ℛ	1	12VDC @ 2A	24	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	**24.95**	**22.95**	**21.49**
1943406	MDR-40-12ℛ	4	12VDC @ 3.33A	40	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	**32.95**	**31.49**	**29.95**
192699	DR-4512ℛ	3	12VDC @ 3.5A	42	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	**27.95**	**25.95**	**23.95**
373230	DR-60-12ℛ	1	12VDC @ 4.5A	54	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	**34.95**	**32.49**	**29.95**
1943457	MDR-60-12ℛ	5	12VDC @ 5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	**36.95**	**34.95**	**32.95**
212291	DR-75-12ℛ	6	12VDC @ 6.3A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	**44.95**	**42.49**	**39.95**
1943511	DR-100-12ℛ	1	12VDC @ 7.5A	90	85-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	3.9 x 3.7 x 2.2	0.8	**49.95**	**44.95**	**39.95**
1943481	MDR-100-12ℛ	5	12VDC @ 7.5A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	**64.95**	**61.95**	**58.95**
212274	DR-120-12ℛ	7	12VDC @ 10A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	**54.95**	**51.95**	**48.95**
2099366	SDR-120-12ℛ†	8	12VDC @ 10A	120	88-264/124-370 @ 47-63	1.4A(115V)/10.7A(230V)	4.5 x 1.6 x 4.9	1.5	**74.95**	**69.95**	**64.95**
2101391	DR-15-15ℛ	9	15VDC @ 1A	15	85-264 @ 47-63	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	**21.49**	**19.95**	**18.95**
1943342	MDR-20-15ℛ	2	15VDC @ 1.24A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	**24.95**	**22.95**	**20.49**
373238	DR-60-15ℛ	1	15VDC @ 4A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	**34.95**	**32.49**	**29.95**
1952986	MDR-10-24ℛ	2	24VDC @ 0.42A	10	85-264 @ 47-63/120-370	0.33A(115V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	**21.95**	**20.49**	**19.49**
1943385	MDR-20-24ℛ	2	24VDC @ 1A	24	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	**24.95**	**22.95**	**20.49**
373203	DR-30-24ℛ	1	24VDC @ 1.5A	36	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	**24.95**	**22.95**	**21.49**
1943422	MDR-40-24ℛ	4	24VDC @ 1.7A	40.8	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	**32.95**	**31.49**	**29.95**
192681	DR-4524ℛ	3	24VDC @ 2A	48	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	**27.95**	**25.95**	**23.95**
373246	DR-60-24ℛ	1	24VDC @ 2.5A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	**34.95**	**32.49**	**29.95**
1943465	MDR-60-24ℛ	5	24VDC @ 2.5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	**36.95**	**34.95**	**32.95**
212282	DR-75-24ℛ	6	24VDC @ 3.2A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	**44.95**	**42.49**	**39.95**
1943490	MDR-100-24ℛ	5	24VDC @ 4A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	**64.95**	**61.95**	**58.95**
1943537	DR-100-24ℛ	1	24VDC @ 4.2A	100	88-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	2.2 x 3.9 x 3.7	0.8	**49.95**	**44.95**	**39.95**
212266	DR-120-24ℛ	7	24VDC @ 5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	**54.95**	**51.95**	**48.95**
1953727	DRH-120-24ℛ	7	24VDC @ 5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	**74.95**	**69.95**	**64.95**
2099374	SDR-120-24ℛ†	8	24VDC @ 5A	120	88-264/124-370 @ 47-63	1.4A(115V)/10.7A(230V)	4.5 x 1.6 x 4.9	1.5	**74.95**	**69.95**	**64.95**
221892	DRP-240-24ℛ†	10	24VDC @ 10A	240	85-264 @ 47-63/120-370	2.8A(115V)/1.4A(230V)	3.9 x 4.9 x 4.9	2.4	**89.95**	**84.95**	**79.95**
373123	DRT-240-24ℛ	10	24VDC @ 10A	240	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	**94.95**	**89.95**	**84.95**
2081086	SDR-240-24ℛ†	8	24VDC @ 10A	240	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	2.5 x 4.9 x 4.5	2.5	**134.95**	**124.95**	**114.95**
252663	DRP-480-24ℛ†	11	24VDC @ 20A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	**149.95**	**129.95**	**114.95**
295938	DRP-480S-24ℛ†	11	24VDC @ 20A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	**144.95**	**134.95**	**124.95**
372577	DRT-480-24ℛ	11	24VDC @ 20A	480	3-phase 340-550 @ 47-63/480-780	1.7A(400V)/1.3(500V)	8.9 x 5.0 x 3.9	5.5	**199.95**	**179.95**	**159.95**
2094944	SDR-480-24ℛ†	12	24VDC @ 20A	480	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	4.9 x 3.4 x 5.0	4.9	**209.95**	**194.95**	**184.95**
373131	DRT-960-24ℛ	11	24VDC @ 40A	960	340-550 @ 47-63	2A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	**299.95**	**269.95**	**239.95**
1943431	MDR-40-48ℛ	4	48VDC @ 0.83A	39.8	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	**29.95**	**26.95**	**23.95**
221904	DR-120-48ℛ	7	48VDC @ 2.5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	**54.95**	**51.95**	**48.95**
1953735	DRH-120-48ℛ	7	48VDC @ 2.5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	**39.95**	**36.95**	**35.95**
221883	DRP-240-48ℛ†	10	48VDC @ 5A	240	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	**89.95**	**84.95**	**79.95**
2094936	SDR-240-48ℛ†	8	48VDC @ 5A	240	88-264 @ 47-63/120-370	2.6A(115V)/1.3A(350V)	2.5 x 4.9 x 4.5	2.5	**134.95**	**124.95**	**114.95**
252655	DRP-480-48ℛ†	11	48VDC @ 10A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	**139.95**	**129.95**	**119.95**
301306	DRP-480S-48ℛ†	11	48VDC @ 10A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	**144.95**	**134.95**	**124.95**

*Switch selectable †With Power Factor Correction

MEAN WELL

40A DC DIN-Rail UPS Module

Rail not included

★Web Code: MBM

Part No.	Mfr. Part No.	Description	DC Input/DC BUS	Output Voltage @ Current	Charge Current	1	10	25
2103273	DR-UPS40	Battery controller for UPS	24-29V @ 40A	21-29VDC @ 0-40A	2A	**$59.95**	**$53.95**	**$48.95**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

Dual Adj. Regulated Power Supply Kit

- Adjustable positive/negative supplies ±5 to ±15VDC, 175mA–750mA per supply
- LED on indicator
- 48-piece kit
- PC board construction
- Difficulty level: intermediate
- 120VAC input
- Size: 5.1"L x 3.5"W x 2.0"H
- Weight: 2.1 lbs.

Part No.	Cross Ref. No.	1	5
20626	JE215	$26.95	$24.95

We also carry AT & ATX Computer Power Supplies. See page 161.

AC-to-AC Outdoor Power Supply

- IP66, NEMA 4x rated weather-resistant aluminum enclosure
- Compatible with all cameras/PTZs up to 4A
- Input: 100-240VAC @ 50-60Hz
- Illuminated On/Off power switch
- Selectable outputs: 24VAC/26VAC/28VAC
- Pre-mounted 5.25" x 7.75" mounting plate
- Size: 6.75"L x 6.75"W x 4"D

Includes: Multi-lingual instruction sheet, 6 spare fuses

Part No.	Cross Ref. No.	1	5
2129369	OPS-4ℛ	$109.95	$99.95

600-Watt Rackmount Power Supply

- AC Input active surge current limiting
- Built-in remote sense function
- Output: 48VDC @ 12.5A
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short-circuit, overload, overvoltage, overtemperature protection
- Forced air cooling by built-in DC fan
- Ripple & noise: 150mVp-p max.
- Size: 19.5"W x 5.0"D x 3.5"H

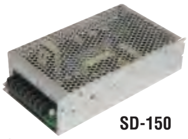
★ *Web Code: MCJ*

Part No.	Mfr. Part No.	1	5	25
673408	SE-600-48RM	$219.95	$199.95	$179.95

★ *Power Inverters Available Online — Enter Web Code XEL*

15 to 960-Watt Enclosed Converters

Performance at Value Prices


SD-150

- 2:1 wide input range
- 100% burn-in test
- Working temp.: -10°C to +60°C
- Protection: short-circuit, overload and overvoltage

SD-15 Series • Built-in EMI filter, low ripple noise • One-year warranty

SD-25/SD-50/SD-100/SD-150 Series • Isolation voltage: 1500VDC • Built-in EMI filter, low ripple noise • One-year warranty

SD-200/350 Series • Isolation volt.: 1500VDC • Cooling by free air convection • Fixed switching freq @ 83kHz • **SD-200:** One-year warranty; **SD-350:** Two-year warranty

SD-500 Series • Isolation voltage: 2000VAC • DC input active surge current limiting • Wide 4:1 ~ 2:1 SC input range • Forced air cooling by built-in DC fan w/ fan speed control function • Three-year warranty

★ *Web Code: UBC*

Part No.	Mfr. Part No.	Input Range	Output		Size	Pins	Line Reg.	Load Reg.	Ripple & Noise	Pricing			
			Voltage @ Current	Power (W)	(L" x W" x H")		(±%)	(±%)	(mV p-p)	1	5	25	100
1953778	SD-15A-5ℛ	9.2-18V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	$17.95	$14.95	$13.95	$12.25
1953786	SD-15B-5ℛ	18-36V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	17.95	14.95	13.95	12.25
175662	SD-25A-5ℛ	9-18V	+5V @ 5.0A	25	3.9 x 3.8 x 1.4	5	0.5	0.5	100	24.95	22.95	21.49	19.95
212549	SD-50A-5ℛ	9-18V	+5V @ 10A	50	6.3 x 3.8 x 1.5	5	0.5	0.5	100	32.49	29.95	27.95	26.49
1953882	SD-200B-5ℛ	19-36V	+5V @ 34A	170	8.5 x 4.5 x 2.0	9	0.5	1.0	100	69.95	66.95	62.95	58.95
1953891	SD-350B-5ℛ	19-36V	+5V @ 57A	285	8.5 x 4.5 x 2.0	9	0.5	1.0	100	79.95	76.95	72.95	69.95
1953823	SD-15B-12ℛ	18-36V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	17.95	14.95	13.95	12.25
1953840	SD-15C-12ℛ	36-72V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	17.95	14.95	13.95	12.25
175805	SD-25A-12ℛ	9-18V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	25.95	23.95	21.95	20.49
2107178	SD-25C-12ℛ	36-72V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	24.95	21.95	19.95	17.95
1537483	SD-50A-12ℛ	9.2-18V	+12V @ 4.2A	50.1	6.3 x 3.8 x 1.5	5	0.3	0.3	120	32.49	29.95	27.95	26.49
212531	SD-50B-12ℛ	19-36V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	32.49	29.95	27.95	26.49
212506	SD-50C-12ℛ	36-72V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	32.49	29.95	27.95	26.49
212469	SD-100C-12ℛ	36-72V	+12V @ 8.5A	102	7.8 x 3.9 x 1.5	7	0.3	0.3	120	39.95	34.95	32.95	28.95
217270	SD-150B-12ℛ	19-36V	+12V @ 12.5A	150	7.8 x 4.3 x 2.0	7	0.5	0.5	120	54.95	51.95	48.95	46.95
1953903	SD-200B-12ℛ	19-36V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	100	89.95	84.95	79.95	69.95
1953920	SD-200C-12ℛ	36-72V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	94.95	84.95	79.95	69.95
1953760	SD-200D-12ℛ	72-144V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	94.95	84.95	79.95	69.95
1953962	SD-350B-12ℛ	19-36V	+12V @ 27.5A	330	8.5 x 4.5 x 2.0	9	0.3	1.0	120	109.95	99.95	89.95	82.95
1954033	SD-500L-12ℛ	19-72V	+12V @ 40A	480	8.5 x 4.5 x 2.0	7	0.5	0.5	150	169.95	149.95	129.95	119.95
175813	SD-25A-24ℛ	9-18V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	27.95	24.95	21.95	19.49
2107186	SD-25C-24ℛ	36-72V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	24.95	21.95	19.95	17.95
2107266	SD-50A-24ℛ	9.2-18V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	32.49	29.95	27.95	26.49
212514	SD-50B-24ℛ	19-36V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	32.49	29.95	27.95	26.49
2107039	SD-100C-24ℛ	36-72V	+24V @ 4.2A	100.8	7.8 x 3.9 x 1.6	7	0.2	0.2	150	39.95	34.95	32.95	28.95
2107119	SD-150D-24ℛ	72-144V	+24V @ 6.3A	151.2	7.8 x 4.3 x 2.0	7	0.3	0.3	150	54.95	51.95	48.95	45.95
1953954	SD-200B-24ℛ	19-36V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	89.95	84.95	79.95	69.95
1953743	SD-200C-24ℛ	36-72V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	94.95	84.95	79.95	69.95
1954009	SD-350C-24ℛ	36-72V	+24V @ 14.6A	350.4	8.5 x 4.5 x 2.0	9	0.2	1.0	150	109.95	99.95	94.95	82.92
1954025	SD-500L-24ℛ	19-72V	+24V @ 21A	504	8.5 x 4.5 x 2.0	7	0.5	0.5	150	169.95	149.95	129.95	119.95
1953911	SD-200B-48ℛ	19-36V	+48V @ 4.2A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	89.95	84.95	79.95	69.95
1953946	SD-200D-48ℛ	72-144V	+48V @ 4.2A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	120	74.95	69.95	66.95	63.95
1953989	SD-350B-48ℛ	19-36V	+48V @ 7.3A	350.4	8.5 x 4.5 x 2.0	9	0.3	1.0	120	109.95	99.95	89.95	82.95

Unregulated Encapsulated Converters

★ *Web Code: SBH*

- Input range: 4.5-5.5V
- Ripple & noise: 100mV p-p
- Input filter: capacitor type
- Line & load regulation: ±1.0%
- No external components needed
- 1000VDC isolation
- 100% burn-in test
- Protection: short-circuit
- One-year warranty
- Working temp.: -15°C to +60°C

216831

Part No.	Mfr. Part No.	Output		Size	Pins	Pricing		
		Voltage@Current	Power	(L"xW"xH")		1	5	25
213226	SRS-0505ℛ	+5V @ 100mA	0.5W	.88 x .39 x .33	8	$9.95	$8.95	$7.95
216831	SPR01L-12ℛ	+12V @ 84mA	1W	.77 x .28 x .40	4	9.95	8.95	7.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Encapsulated DC-to-DC Converters

★Web Code: NAX

SLW05

SCW03, SCW05, SCW08, SDM30, SKE10, SKA15 & SKE15, SLW05 Series

- 1000VDC I/O isolation
- Shield metal case
- Cooling by free air convection
- Short-circuit/overload protection
- 2:1 wide input range
- One-year warranty

FEC15

FEC15 Series

- 2:1 & 4:1 wide input voltage range (depending on model)
- Fixed switching frequency
- Standard DIP package (24-pin)
- Short-circuit/overload protection
- 1600VDC isolation
- Two-year warranty

DCW12

SCW12 & DCW12 Series

- 2:1 wide input voltage range
- 1500VDC I/O isolation
- Built-in EMI filter
- Short-circuit/overload protection
- Built-in remote on/off control
- Five sided shielded metal case
- Two-year warranty

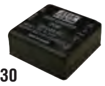
DCW03, DCW05, DCW08, DKE10, DKA15 & DKE15 Series

- 1000VDC I/O isolation
- Short-circuit/overload protection
- Shield metal case
- 2:1 wide input range
- Cooling by free air convection
- One-year warranty

DKA30, TKA30 & TKB20 Series

- 1000VDC I/O isolation
- Cooling by free air convection
- 2:1 wide input range
- Short-circuit/overload protection
- Remote on/off control
- Six sided shielded metal case
- One-year warranty

DKA15


TKA30

Part No.	Manufacturer	Mfr. Part No.	Input Range	Output		Size (L" x W" xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
				Voltage @ Current	Pwr (W)						1	5	25	100
Single Output														
1944071	Power Mateℛ	FEC15-24S3P3	18-36V	+3.3V @ 4A	15	2.0x1.0x0.4	6	0.5	0.5	50	**$24.95**	**$23.95**	**$22.95**	**$21.95**
213269	Mean Wellℛ	SCW03A-05	9-18V	+5V @ 0.6A	3	1.25x0.8x0.48	10	1.0	0.5	100	**13.95**	**12.95**	**11.49**	**10.49**
216929	Mean Wellℛ	SLW05A-05	9-18V	+5V @ 1A	5	2.0x1.0x0.44	5	1.0	0.2	100	**22.95**	**19.95**	**16.95**	**14.95**
216937	Mean Wellℛ	SLW05B-05	18-36V	+5V @ 1A	5	2.0x1.0x0.44	5	1.0	0.2	100	**22.95**	**19.95**	**16.95**	**14.95**
1953313	Mean Wellℛ	SCW05B-05	18-36V	+5V @ 1A	5	1.25x0.8x0.48	8	0.5	0.5	50	**14.95**	**13.49**	**11.95**	**10.95**
213234	Mean Wellℛ	SLW05C-05	36-72V	+5V @ 1A	5	2.0x1.0x0.44	5	1.0	0.2	100	**22.95**	**19.95**	**16.95**	**14.95**
216962	Mean Wellℛ	SKE10A-05	9-18V	+5V @ 2A	10	2.0x1.0x0.44	5	0.3	1.0	50	**26.95**	**21.95**	**17.95**	**15.49**
216953	Mean Wellℛ	SKE10B-05	18-36V	+5V @ 2A	10	2.0x1.0x0.44	5	0.3	0.5	50	**26.95**	**21.95**	**17.95**	**15.49**
1953428	Mean Wellℛ	SCW12A-05	9-18V	+5V @ 2.4A	12	1.25x0.8x0.48	9	0.5	0.5	50	**27.95**	**22.95**	**18.49**	**15.95**
155716	Mean Wellℛ	SKE15A-05	9-18V	+5V @ 3A	15	2.0x2.0x0.43	5	0.3	0.5	50	**27.95**	**22.95**	**18.49**	**15.95**
213277	Mean Wellℛ	SKE15B-05	18-36V	+5V @ 3A	15	2.0x2.0x0.43	5	0.3	0.5	50	**27.95**	**22.95**	**18.49**	**15.95**
1953495	Mean Wellℛ	SCW08A-12	9-18V	+12V @ 0.67A	8	1.25x0.8x0.48	8	0.5	0.5	60	**18.95**	**16.95**	**15.49**	**13.95**
217024	Mean Wellℛ	SKE10B-12	18-36V	+12V @ 0.84A	10	2.0x1.0x0.44	5	0.3	0.5	60	**28.95**	**25.95**	**22.95**	**19.95**
155708	Mean Wellℛ	SKE15A-12	9-18V	+12V @ 1.25A	15	2.0x2.0x0.43	5	0.3	0.5	60	**27.95**	**22.95**	**18.49**	**15.95**
1953161	Mean Wellℛ	SKA15A-12	9-18V	+12V @ 1.25A	15	2.0x1.0x0.44	5	0.2	0.5	60	**28.95**	**23.95**	**19.49**	**16.95**
213285	Mean Wellℛ	SKE15B-12	18-36V	+12V @ 1.25A	15	2.0x2.0x0.43	5	0.3	0.5	60	**19.95**	**18.49**	**16.95**	**15.95**
1953170	Mean Wellℛ	SKA15B-12	18-36V	+12V @ 1.25A	15	2.0x1.0x0.44	5	0.2	0.5	60	**28.95**	**23.95**	**19.49**	**16.95**
217242	Mean Wellℛ	SDM30-24S12	18-36V	+12V @ 2.5A	30	2.0x2.0x0.63	8	1.0	1.0	100	**32.95**	**29.95**	**27.95**	**25.95**
216882	Mean Wellℛ	SLW05A-15	9-18V	+15V @ 0.333A	5	2.0x1.0x0.44	5	1.0	0.2	100	**17.95**	**14.95**	**12.49**	**10.95**
216980	Mean Wellℛ	SKE10A-15	9-18V	+15V @ 0.666A	10	2.0x1.0x0.44	5	0.3	1.0	60	**27.95**	**22.95**	**18.49**	**15.95**
155695	Mean Wellℛ	SKE15A-24	9-18V	+24V @ 0.625A	15	2.0x2.0x0.43	5	0.3	0.5	80	**27.95**	**22.95**	**18.49**	**15.95**
Double Output														
155919	Mean Wellℛ	DCW03A-05	9-18V	±5V @ 0.3A	3	1.25x0.8x0.48	10	1.0	0.5	100	**$15.95**	**$13.95**	**$12.49**	**$10.95**
217032	Mean Wellℛ	DKE10A-05	9-18V	±5V @ 1A	10	2.0x1.0x0.44	5	0.3	0.5	50	**26.95**	**23.95**	**21.95**	**19.95**
161702	Mean Wellℛ	DCW03A-12	9-18V	±12V @ 0.125A	3	1.25x0.8x0.48	10	1.0	0.5	100	**15.95**	**13.95**	**12.49**	**10.95**
1953241	Mean Wellℛ	DCW05A-12	9-18V	±12V @ 0.23A	5.5	1.25x0.8x0.48	8	0.5	0.5	60	**14.95**	**13.95**	**12.95**	**11.95**
1953356	Mean Wellℛ	DCW08A-12	9-18V	±12V @ 0.335A	8	1.25x0.8x0.48	8	0.5	0.5	60	**17.95**	**14.25**	**13.25**	**11.75**
1953399	Mean Wellℛ	DCW08C-12	36-72V	±12V @ 0.335A	8	1.25x0.8x0.48	8	0.5	0.5	60	**17.95**	**14.25**	**13.25**	**11.75**
217092	Mean Wellℛ	DKE10A-12	9-18V	±12V @ 0.42A	10	2.0x1.0x0.44	5	0.3	0.5	60	**27.95**	**23.95**	**19.49**	**16.95**
1953022	Mean Wellℛ	DCW12B-12	18-36V	±12V @ 0.5A	12	1.25x0.8x0.48	9	0.5	0.5	60	**27.95**	**23.95**	**19.49**	**16.95**
1953102	Mean Wellℛ	DKA15C-12	36-72V	±12V @ 0.625A	15	2.0x1.0x0.44	5	0.2	0.5	60	**28.95**	**24.95**	**21.49**	**18.49**
1953364	Mean Wellℛ	DCW08A-15	9-18V	±15V @ 0.267A	8	1.25x0.8x0.48	8	0.5	0.5	60	**17.95**	**14.25**	**13.25**	**11.75**
1953381	Mean Wellℛ	DCW08B-15	18-36V	±15V @ 0.267A	8	1.25x0.8x0.48	8	0.5	0.5	60	**17.95**	**14.25**	**13.25**	**11.75**
217112	Mean Wellℛ	DKE10A-15	9-18V	±15V @ 0.333A	10	2.0x1.0x0.44	5	0.3	0.5	60	**26.95**	**23.95**	**21.95**	**19.95**
217075	Mean Wellℛ	DKE10B-15	18-36V	±15V @ 0.333A	10	2.0x1.0x0.44	5	0.3	0.5	60	**26.95**	**23.95**	**21.95**	**19.95**
1954130	Mean Wellℛ	DKA30A-15	9-18V	±15V @ 1A	30	2.0x2.0x0.82	8	0.5	0.5	100	**29.95**	**25.49**	**23.49**	**21.25**
213293	Mean Wellℛ	DKE15A-24	9-18V	±24V @ 0.313A	15	2.0x2.0x0.43	5	0.3	0.5	80	**26.95**	**23.95**	**21.95**	**19.95**
Triple Output														
217648	Mean Wellℛ	TKB20C-B	36-72V	+5V @ 2.5A; ±12V @ 0.31A	20	1.2x2.0x0.82	8	0.2	0.2	100	**$19.95**	**$18.95**	**$17.95**	**$16.95**
1953217	Mean Well	TKA30B-B	18-36V	+5V @ 3.5A; ±12V @ 0.31A	25	2.0x2.0x0.82	8	5.0	5.0	100	**37.95**	**33.95**	**31.95**	**29.95**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Batteries & Battery Pack

Save 10% or more on most batteries!

Lithium, NiCd, NiMH, Li-Ion & LiFe Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

NEW
MARKED IN PINK

Lithium – Non-rechargeable

★Web Code: LBT

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
673627	NBL414/F9D	Panasonic	1	Coin cell	2	1.0	4.8mm body w/ tabs (2)	0.18"Dia. x 0.06"Thick	$.45	$.39	$.35
673601	NBL621/F9DE	Panasonic	1	Coin cell	2	4.0	Vertical PC mount	0.27"Dia. x 0.10"Thick	.85	.75	.65
2123784	CR1220	Evergreen	2	Coin cell	3	40	Clock/memory/watch	0.49"Dia. x 0.77"Thick	.85	.75	.65
2119865	CR1632	Evergreen	2	Coin cell	3	120	Clock/memory/watch	0.63"Dia. x 0.13"Thick	1.19	1.09	.99
11789	CR2325	ReliaPro	2	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.79	1.59	1.45
14162	CR2032	ReliaPro	2	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.09	.99
1585451	DL2032	Duracell	2	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.49	1.35	1.19
2119216	CR2450R	Evergreen	2	Coin cell	3	550	Clock/memory/watch	0.95"Dia. x 0.20"Thick	1.49	1.35	1.19
2133561	2CR2450	NewSun	2A	Coin cell	3	1100	Dual coin cell w/ 3" wires	0.97"Dia. x 0.43"Thick	1.95	1.75	1.49
2132251	CR2450C	FDK	3	Coin cell	3	550	1-1/2" leads w/ connector (2)	0.96"Dia. x 0.20"Thick	1.25	1.09	.99
2119873	CR2	Evergreen	4	Cylinder	3	750	Consumer tip/digital camera	1.66"L x 0.61"Dia.	3.95	3.49	3.19
2119881	2CR5	Evergreen	5	Dual cyl.	6	1400	(2) term. on one end	1.76"L x 1.33"Dia.	5.95	5.49	4.95
673635	CA1/2AA	Varta	6	1/2 AA	3	950	Barrel w/ leads (2)	1.0"L x 0.58"Dia.	2.49	2.29	1.95
126754	TL5101S	Tadiron	4	1/2 AA	3.6	950	Macintosh®	0.95"L x 0.56"Dia.	4.95	4.49	4.09
33371	TL5101P	Tadiron	7	1/2 AA	3.6	950	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	6.25	5.65	4.95
263898	ER14250	ReliaPro	4	1/2 AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.75	4.25	3.85
240266	ER14250	ReliaPro	4	1/2 AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.55	3.25	2.95
2135718	TL-2150	Tadiron	4	1/2 AA	3.6	1000	Consumer tip	0.95"L x 0.56"Dia.	4.59	4.19	3.95
33398	TL5104P	Tadiron	8	AA	3.6	2100	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.95	6.25	5.65
146114	TL5104/S	Tadiron	9	AA	3.6	2100	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.25	5.65
240258	CR123A	ReliaPro	10	A	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.75	2.49	2.25

NiCd – Rechargeable

★Web Code: GCF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	ReliaPro	11	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	$1.69	$1.49	$1.35
244515	AA-1000-CT	ReliaPro	11	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.75	2.49	2.25
244574	SC-1500	ReliaPro	12	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.95	2.59	2.39

NiMH – Rechargeable

★Web Code: GCF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
231095	AAA-750NM	Dantona	13	AAA	1.2	600	Consumer tip	1.70"L x 0.40"Dia.	$3.45	$3.09	$2.79
231087	AA-1800NM	Dantona	14	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	3.95	3.55	3.19
2127777	AA-2500CT	Tenergy	15	AA	1.2	2500	Consumer tip	1.90"L x 0.55"Dia.	3.95	3.55	3.19
231108	9V-8.4NM	Dantona	16	9V	8.4	150	Snaps	1.94"L x 0.61"Dia.	9.49	8.95	8.49
244620	H2009VP	Tenergy	17	9V	8.4	200	Snaps	1.94"L x 0.65"Dia.	9.75	8.75	7.95
231124	D-900NM	Dantona	18	D	1.2	9000	Consumer tip	2.30"L x 1.30"Dia.	13.95	12.95	11.95
2129342	3H80BC	Evergreen	19	N/A	3.6	80	3-lead (pin), barrel	0.72"L x 0.61"Dia.	5.25	4.95	4.69
2137473	NHB60H3A2H	Evergreen	19	N/A	3.6	80	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	3.95	3.55

Li-Ion – Rechargeable

★Web Code: LII

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
2144243	30004ℛ	Tenergy	20	18650	3.7	2200	Flat top w/ internal PCB	2.56"L x 0.72"Dia.	$8.49	$7.49	$6.95
2140349	30006ℛ	Tenergy	20	18650	3.7	2600	Flat top w/ internal PCB	2.56"L x 0.72"Dia.	9.95	9.49	8.95
2144286	30201ℛ	Tenergy	10	RCR123A	3.2	900	Consumer tip	1.26"L x 0.63"Dia.	4.95	4.69	4.49

LiFePO4 – Rechargeable

★Web Code: LIF

Part No.	Product No.	Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
2144227	30225ℛ	Tenergy	9	14500 (AA)	3.2	400	Consumer tip	1.91"L x 0.56"Dia.	$2.25	$1.95	$1.75
2144278	30200ℛ	Tenergy	10	RCR123A	3.2	900	Consumer tip	1.26"L x 0.63"Dia.	2.95	2.65	2.39
2144294	30207ℛ	Tenergy	21	Prismatic	3.2	10000	Tabs (2)	9.0"L x 3.2"W x 0.3"T	34.95	32.95	30.95

Fig. 1

Fig. 2

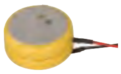


Fig. 2A

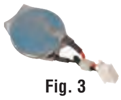


Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

Fig. 17

Fig.18

Fig. 19

Fig. 20

Fig. 21

12V Lithium-Ion Rechargeable Battery Pack

High-powered, ultra-compact, covert battery pack with charger.
Provides the same power as larger batteries at a fraction of the size and weight.

Part No.	Volt	mAh	Connection	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
2129351	12V	4500	2.1mm female ouput, 2.1mm male input	3.0 x 2.0 x 0.75	5.2	$59.95	$54.95	$49.95

- On/Off switch
- LED indicators
- 18" power cord
- Input: 110-230VAC 50/60Hz
- Output: 12.6VDC, 350mA

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 180.

Evergreen, Energizer®, Duracell® & Lexcell® Alkaline Batteries

2120153

198731

198791

215845

2112461

2112452

2112428

2112444

2112436

198707

198715

115432

Part No.	Size	Min	1	12
2112461	9V, Super Alkaline Vinnic††	2	**$1.25**	**$1.09**
2112452	1.5V, D-cell Evergreen††	2	**1.09**	**.99**
2112428	1.5V, C-cell Evergreen††	2	**.95**	**.85**
2112444	1.5V, AA Evergreen†	4	**.25**	**.20**
2112436	1.5V, AAA Lexcell®†	4	**.25**	**.20**

★ Web Code: NBF

Blowout Prices

Part No.	Size	1	10
2120153	9-volt Winco	**$1.49**	**$1.25**
198731	9-volt Energizer®	**2.09**	**1.95**
198791	9-volt Duracell®	**2.95**	**2.65**
215845	1.5V D-cell Energizer®	**1.19**	**1.09**

Part No.	Size	Min	1	40	100
198707	AA Energizer®†	4	**$.79**	**$.69**	**$.65**
198715	AAA Energizer®†	4	**.69**	**.59**	**.55**
115432	AAA Duracell®††	2	**.69**	**.59**	**.49**

† Sold in multiples of 4 †† Sold in multiples of 2

Silver Oxide and Zinc Chloride Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

★ Web Code: XAB

2119831

2119849

140783

2119890

151095

Part No.	Cross Ref.	Description	1	10
2119831	S736S	Silver oxide, button, 1.55V, 34mAh	**$.75**	**$.65**
2119849	S1131S	Silver oxide, button, 1.55V, 73mAh	**.95**	**.85**
2119857	S1142S	Silver oxide, button, 1.55V, 116mAh	**1.19**	**1.09**
140783	357	Silver oxide, button, 1.55V, 175mAh	**1.39**	**1.25**
2119890	ER6MSG	Zinc chloride, 1.5V, AA	**.55**	**.45**
2119822	ER03MSG	Zinc chloride, 1.5V, AAA	**.55**	**.45**
151095	GF6F22	Zinc chloride, 9V	**1.29**	**1.19**

Smart Balancing Battery Chargers

For NiMH / NiCD / Li-PO / Li-Fe / SLA

★ Web Code: ABC

- Protective circuitry to control charging process and auto power cut-off

Part No.	Mfr. Part No.	Compatible Chemistry	Compatible Battery Size	Output	1	5	25
2144307	01138ℛ	NiMH, NiCd	AAA, AA (1-4 cells)	1.2V @ 0.25-1A	**$13.95**	**$12.95**	**$11.95**
2144201	01270	Li-Ion	14500, 18500, 18650, RCR123A (1-2 cells)	4.2V @ 0.5A (x2)	**13.95**	**12.95**	**11.49**
2144315	01267	Li-Ion, Li-Po, LiFePO4	1S-4S battery packs w/ XH connector	3.6-16.8V @ 1A	**24.95**	**22.49**	**20.95**
2144235	01322	NiMH, NiCd, Li-Ion, LiFe, LiPo, SLA (Pb)	Octopus harness – HiTech, JST, Tamiya, Deans, Traxxas, and EC3 connectors	0.1-5A (50W max.)	**89.95**	**79.95**	**74.95**

2144307

2144201

2144315

2144235

NiZn Rechargeable Batteries with Charger

The PowerGenix has up to 33% more energy density over standard rechargeable batteries. Nickel-Zinc is lighter, safer, environmentally-friendly, and is 100% recyclable. These battteries pack 1.6 volts and are well-suited for high-tech devices like digital cameras, toys, and other high-drain applications.

- Universal voltage for ease-of-use while traveling (100-240VAC, 50/60Hz)
- Includes 4 AA NiZn batteries
- LED lights indicate charging status

Part No.	Description	1	10
2115856	NiZn quick charger, 1.5 hours, includes 4AA batteriesℛ	**$29.95**	**$26.95**
2115821	NiZn fast charger, 3-5 hours, includes 4AA batteriesℛ	**21.95**	**19.95**

Compact Battery Tester

Simply lift the swivel arm of this battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, 9V and button cell batteries.

Part No.	Mfr. Part No.	1	10
239556	BATTEST	**$3.95**	**$3.49**

★ *Battery Chargers Online — Enter Web Code PBF*

Universal NiCd/NiMH Charger

- Fast charging in the specified period with an automatic switch for trickle charge

★ Web Code: PBF

Part No.	Mfr. Part No.	Compatible Battery	1	10	25
231132	CHG-6P	AAA, AA, C, D, 9V	**$23.95**	**$21.95**	**$19.95**

Automatic Lead Acid Battery Chargers

- Multi-stage charging circuit prevents batteries from overcharging
- High frequency MOSFET switching design
- Input voltage: 98 to 132VAC @ 50/60Hz

See page 131 for more Lead Acid Battery Chargers

673416

Part No.	Mfr. Part No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	10
673416	SEC-1215A	13.5VDC @ 15A	8.5 x 8.4 x 3.3	4.8	**$147.95**	**$134.95**
673432	SEC-2415A	27.0VDC @ 15A	10.8 x 8.4 x 3.3	6.4	**239.95**	**215.95**

120-Watt Single Output Battery Charger

- Current detecting battery charger for lead-acid batteries
- Voltage range: 88~132VAC/176~264VAC (47~63Hz) selected by switch
- Power: 118.7W; 27.6V @ 4.3A
- Short circuit, overload, overvoltage, overtemp. protection
- Output connector: 3-pin male XLR, see pg 58 for mating connector
- 3 pole AC inlet with fuse holder
- 2-year warranty

Part No.	Mfr. Part No.	Size (L" x W" x H")	Wt. (lbs.)	1	5
2102983	PB-120N-27Cℛ	7.09 x 3.78 x 1.93	2.4	**$69.95**	**$62.95**

13.5VDC @ 2.2A Switch Mode Battery Charger

- Input voltage: 100 to 240VAC @ 50-60Hz
- Output voltage: 13.5V @ 2.2A
- Output connector: 30" cable with 4-position (2 x 2 grid) Molex Mini-Fit Jr. 5559 series connector (39-01-2041)
- UL/CUL listed

Includes: 5' 3-prong mickey mouse type power cord

Part No.	Mfr. Part No.	Size (L" x W"x H")	1	5	25
2139006	3G-301DN13	7.09 x 3.78 x 1.93	**$15.95**	**$13.95**	**$11.95**

★ *For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

JAMECO ReliaPro

Battery Holders

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, tabs or snaps.

★ Web Code: UAB

Part No.	Cross Ref. No.	●Mfr.	Fig.	No. of Cells	Conn. (L")	Sides	Features*	1	10	100	500
216283	BH-421-1Aℛ	JRP	1	2-AAA	Wires, 5.5	Single	26 AWG	$.59	$.55	$.49	$.45
216292	SBH-421-AS	JRP	1	2-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.79	.75	.69	.65
216303	BH-431-1A	JRP	2	3-AAA	Wires, 5.5	Single	26 AWG	.79	.69	.65	.59
216312	SBH-431-1ASℛ	JRP	2	3-AAA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.95	.85	.75	.69
216339	SBH-441-ASℛ	JRP	3	4-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.45	1.29	1.19	.89
216072	BH-311-2Aℛ	JRP	4	1-AA	Wires, 5.5	Single	26 AWG	1.05	.95	.85	.75
2128075	BH-321-1Bℛ	JRP	1	2-AA	Snaps	Single	—	.59	.49	.39	.35
216081	BH-321-2Aℛ	JRP	1	2-AA	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
216099	BH-321-4Aℛ	JRP	1	2-AA	Wires, 5.5	Single	w/ mnt. tabs, 26 AWG	.75	.69	.59	.55
216102	SBH-321-2Aℛ	JRP	5	2-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.75	.69	.59	.55
216120	SBH-321-1ASℛ	JRP	5	2-AA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.89	.79	.72	.65
216136	BH-331-Aℛ	JRP	2	3-AA	Wires, 5.5	Single	26 AWG	.85	.77	.69	.62
216144	SBH-331-ASℛ	JRP	6	3-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.79	.69	.65	.59
216152	BH-341-2Aℛ	JRP	7	4-AA	Wires, 5.5	Single	26 AWG	1.15	1.05	.95	.85
105858	BH-PCℛ §	JRP	8	4-AA	Wires, 5.5	Single	w/ conn., 26 AWG	.95	.85	.75	.65
2128083	BH-341-3Bℛ	JRP	7	4-AA	Snaps	Single	—	.69	.59	.49	.45
216179	BH-343-1Aℛ	JRP	9	4-AA	Wires, 5.5	Dual	26 AWG	.79	.69	.65	.59
216187	SBH-341-1ASℛ	JRP	3	4-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	1.05	.95	.85	.75
2095453	SBH-341-1Aℛ	JRP	3	4-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.99	.89	.79	.69
216223	BH-364-A	JRP	10	6-AA	Wires, 5.5	Single	26 AWG	1.09	.95	.85	.75
216240	BH-383-A	JRP	11	8-AA	Wires, 5.5	Dual	26 AWG	1.09	.95	.85	.75
216267	BH-383-Bℛ	JRP	11	8-AA	Snaps	Dual	—	1.29	1.19	1.09	.95
216259	BH-382-Bℛ	JRP	12	8-AA	Snaps	Dual	—	1.35	1.19	1.09	.79
216347	BH-211-Aℛ	JRP	4	1-C	Wires, 5.5	Single	24 AWG	.55	.49	.45	.39
216363	BH-242-1Aℛ	JRP	13	4-C	Wires, 5.5	Single	24 AWG	1.09	.99	.89	.69
216371	BH-111-1A	JRP	4	1-D	Wires, 5.5	Single	26 AWG	.69	.65	.59	.49
216390	BH-121-1Aℛ	JRP	1	2-D	Wires, 5.5	Single	24 AWG	1.19	1.09	.95	.79
216401	BH-142-Aℛ	JRP	13	4-D	Wires, 5.5	Single	24 AWG	1.35	1.19	1.09	.89
2128121	BH-142-1Bℛ	JRP	13	4-D	Snaps	Single	—	1.09	.99	.89	.79
2128067	SBH-9VASℛ	JRP	5	1-9V	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.39	1.25	1.09	.95
216427	BH-9V-Aℛ	JRP	14	1-9V	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
11280	A104-Rℛ	JRP	15	1-9V	Wires, 2.5	Single	26 AWG, snaps	.39	.35	.29	.25
105794	GBH-1009-Rℛ	JRP	16	1-9V	—	Single	Metal holder	.35	.32	.29	.25
1949488	BAT-SNAP-4	JRP	17	1-9V	Wires, 3.5	Single	26 AWG, snaps	.29	.26	.23	.19
109154	BC6-Rℛ	JRP	17	1-9V	Wires, 5.5	Single	26 AWG, snaps	.29	.26	.23	.19
216452	SBS-IR-1-Rℛ	JRP	18	1-9V	Wires, 5.5	Single	26 AWG, snaps	.35	.32	.29	.25
101470	A102-Rℛ	JRP	17	1-9V	Wires, 10.0	Single	26 AWG, snaps	.35	.32	.29	.25
2146231	BH-18650-2Sℛ	JRP	20	2-18650	Wires, 6.0	Single	26 AWG	1.95	1.75	1.59	1.45
236996	103	KEY	19	1-0.91" dia. max	PC mount	Coin cell	—	1.65	1.49	1.35	1.19
355434	17002-00603	JRP	21	1-0.79" dia. max	PC mount	Coin cell	—	.79	.69	.65	.59
38543	2S2325	JRP	19	1-0.91" dia. max	PC mount	Coin cell	—	.79	.69	.65	.59

§ Battery holder used in many personal computers (1x4 pos. connector)   * SW = switch

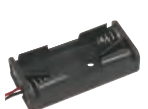


Fig. 1

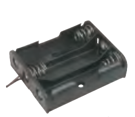


Fig. 2

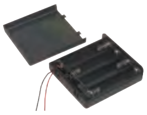


Fig. 3

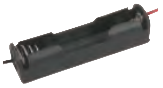


Fig. 4

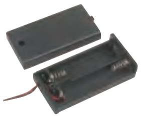


Fig. 5

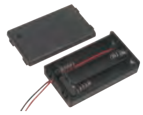
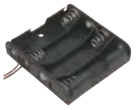


Fig. 6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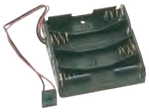
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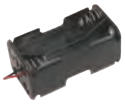
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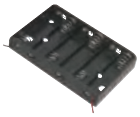
Fig. 10

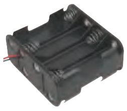
Fig. 11

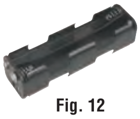
Fig. 12

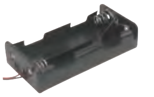
Fig. 13

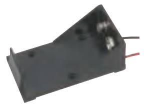
Fig. 14

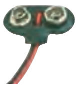
Fig. 15

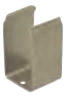
Fig. 16

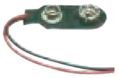
Fig.17

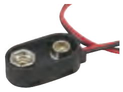
Fig. 18

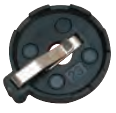
Fig. 19

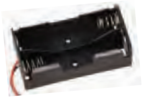
Fig. 20

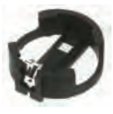
Fig. 21

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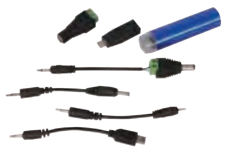
dinam-tech

Mini-Power Stick 2.0

Produce up to 100mA at 5.5VDC all from a single 1.5V AA battery! Great for PIC, BASIC Stamp, PICAXE, Arduino projects or as standby charger or power backup unit. Uses Alkaline or NiMH battery.



NEW MARKED IN PINK

- Output: 5.7V ±5%
- Max current: 400mA

Includes: Mini-Power Stick (blue or black), 4 connection cables (3.5mm x 1.2mm, 2mm x 0.75mm, USB Mini-B and stripped wires), 3 adapters (2.1mm jack, 2.1mm plug and USB Micro-B) and user guide

Part No.	Mfr. Part No.	Size (L" x Dia.")	1	5
2153035	MPS0001	2.8 x 0.7	$19.95	$18.95

Emergency Power Kit

Always be prepared for a power outage. This power kit will give you peace of mind knowing that you have a back-up power source!

Includes: 12V, 12Ah rechargeable lead-acid battery, 400W continuous power inverter, battery clip cables, cigarette lighter connector, radio-ready crank flashlight, portable hard case

2144016 includes: AC adapter for charging car batteries directly from the wall

Part No.	Mfr. Part No.	Description	Price
2144008	EPKIT	Emergency power kit	$179.95
2144016	EPKIT+CHARGER	Emergency power kit w/ 12V, 750mA charger	199.95

● JRP = Jameco ReliaPro | KEY = Keystone

ℛ RoHS compliant product   + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Lead Acid Batteries & Battery Chargers

Lead Acid Batteries

TYSONIC

- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed • UL approved • Rechargeable
- One-year manufacturer warranty

★Web Code: LBR

264014

264031

318924

264057

264065

264073

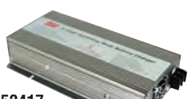
Part No.	Mfr. Part No.	Nominal Voltage	Amp-Hrs.	Cross Reference: Panasonic	YUASA	Eagle Picher	Tempest	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing 1	10
2151996	TY-6-1.2	6	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.0 x 2.1	0.7	$7.95	$6.95
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	11.95	10.95
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	19.95	17.95
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	14.95	13.45
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	19.95	17.95
318924	LA-TY-12-3.4	12	3.4	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	21.95	19.95
264049	TY-12-5	12	5.0	—	—	—	—	Quick connect 0.187"	3.5 x 2.7 x 3.9	3.6	22.95	20.65
264057	TY-12-7.5	12	7.5	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	24.95	22.49
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.7	9.0	39.95	35.95
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	49.95	44.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	89.95	84.95

360 & 1000-Watt Single Output Lead Acid Battery Chargers

MW MEAN WELL

★Web Code: ABC

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- **1952417/1954332/1954341**: Built-in passive PFC function
- Overload, short-circuit, reverse polarity, over voltage, over temperature protection
- **1952417/1954308/1954316:** Fan on/off control (depending on charging current) • Charger for lead acid batteries
- **1954316**: Size: 10.0"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1952417/1954308**: Size: 9.3"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1954332/1954341**: Size: 11.8"L x 7.2"W x 2.8"H, Weight: 7.7 lbs.


1952417

Part No.	Mfr. Part No.	Watts	Boost Charge Voltage	Float Charge Voltage	Recommended Battery Capacity (AMP Hours)	Pricing 1	5
1952417	PB-360P-12ℛ	360	14.4	13.6	80-200	$94.95	$84.95
1954308	PB-360N-12ℛ	360	14.4	13.6	80-200	94.95	84.95
1954316	PB-360N-24ℛ	360	28.8	27.2	40-125	94.95	84.95
1954332	PB-1000-12ℛ	1000	14.4	13.8	200-600	329.95	299.95
1954341	PB-1000-24ℛ	1000	28.8	27.6	120-350	329.95	299.95

Panel Meters

3½-Digit LED Panel Meter

Easy to setup with no additional components required. This digital panel meter can be used in common ground applications.

- 10-pin connection
- With mounting facia and super bright LEDs
- Supply voltage: 5V common ground
- 0-20V full scale input range
- User selectable decimal point • Dimensions: 2.68"W x 1.3"H x 0.63"D

Part No.	Mfr. Part No.	Description	1	10	25
2144606	CX102Bℛ	3½-digit (bezel, screw mount)	$13.95	$12.55	$11.49

★Digital Panel Meters Online — Enter Web Code WBU

Multi-Function Programmable Graphic Displays

3½-digit, bargraph & analog style meter

LASCAR electronics

Customize your 2.4", 2.8" or 3.5" PanelPilot graphic displays in seconds with the simple click of a mouse. Using Lascar's revolutionary PanelPilot software, select from a wide range of customizable meter styles (digital and analog) including touch screen applications as well as more traditional volt meter apps. Choose colors, text labels, scaling and even display your own logo on power-up.

- Operating voltage: 4-30VDC • Adjustable 0 to 40VDC input
- Screw terminal connections • Programmable via USB interface
- Free Windows-based configuration software

Part No.	Mfr. Part No.	Description	1	5
2115354	SGD24-Mℛ	2.4", 3½-digit display	$94.95	$86.95
2125149	SGD28-Mℛ	2.8", 3½-digit display	109.95	99.95
2137924	SGD35-Mℛ	3.5", 3½-digit display	129.95	119.95

0.6" High 3½ & 4½-Digit LCD Digital Panel Meters

- Input ranges: 200mV, 20V, 200V, 500V
- Input impedance: >100MΩ
- Accuracy: ±0.5% • Size: 2.7"W x 1.7"H
- Supply volt.: 8-12VDC (recommend 9V battery P/N 151095, pg 129) • Automatic polarity indication
- 1% resistors available (recommend P/N 2076121, see web)

146835

123140

Part No.	Cross Ref. No.	Description	1	10	25
2131135	PMLCDLℛ	3½-digit	$6.95	$6.25	$5.75
108388	PM-428	3½-digit (no bezel, snap mount)	10.95	9.95	8.95
175951	PM-128	3½-digit (bezel, screw mount)	12.95	11.65	10.49
146835	PM-188BL	3½-digit (with backlight display)	14.95	13.45	11.95
123140	PM-328	4½-digit (bezel, screw mount)	29.95	26.95	24.25

Cannot use in common ground applications

Analog Panel Meters

velleman

- Includes mounting hardware • **316507:** Includes current shunt

★Web Code: YBQ

Part No.	Mfr. P/N	Range	Size (W" x H"xD")	1	10
316603	AVM6015	0 – 15VDC	2.4 x 1.8 x 1.3	$9.95	$8.95
316671	AVM7015	0 – 15VDC	2.8 x 2.4 x 1.4	9.95	8.95
316638	AVM6030	0 – 30VDC	2.4 x 1.8 x 1.3	9.95	8.95
316654	AVM7030	0 – 30VDC	2.8 x 2.4 x 1.4	9.95	8.95
316718	AVM60150	0 – 150VAC	2.4 x 1.8 x 1.3	8.95	7.95
316785	AVM60300	0 – 300VAC	2.4 x 1.8 x 1.3	8.95	7.95
315301	AIM60005	0 – 50µA	2.4 x 1.8 x 1.3	9.95	8.95
316523	AIM6050	0 – 50mA	2.4 x 1.8 x 1.3	9.95	8.95
316486	AIM60100	0 – 100mA	2.4 x 1.8 x 1.3	9.95	8.95
316558	AIM60500	0 – 500mA	2.4 x 1.8 x 1.3	9.95	8.95
316566	AIM60500	0 – 5A	2.4 x 1.8 x 1.3	9.95	8.95
316582	AIM705000	0 – 5A	2.8 x 2.4 x 1.4	9.95	8.95
316494	AIM6010A	0 – 10A	2.4 x 1.8 x 1.3	9.95	8.95
316507	AIM6030A	0 – 30A	2.4 x 1.8 x 1.3	12.95	11.65

316603

316523

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

2095040

2095074

2095082

2113201

2116509

2116584

Drill Mountable Panel Meters

★Web Code: WBU

- Mount by simply drilling a single hole (7/32") and insert the threaded section of the panel meter
- Module size: 1.71"L x 0.84"W

Part No.	Mfr. Part No.	Description	Digit Ht.	Supply Volt.	Measurement Range	1	5	25
2113201	EMV-1125ℛ	3½-digit, LCD volt/current meter	.50"	7.5-15VDC	200mV-20V/200µA-200mA	**$32.95**	**$29.95**	**$27.95**
2095040	EMV 1200	3-digit, signal pwrd, LCD voltmeter	.50"	3-50VDC	4-25VDC	**33.95**	**30.95**	**27.95**
2095058	EMT 1900	3½-digit, LCD thermometer	.50"	4-28VDC	14-122˚F	**34.95**	**31.49**	**28.95**
2095074	EMC 1500	5-digit, LCD hour meter	.35"	5-27VDC	99999 hours	**34.95**	**31.49**	**28.95**
2095082	EMA 1710	Analog-style LCD panel meter	—	5-12VDC	0-1VDC	**24.95**	**22.49**	**19.95**
2116509	SP400ℛ	3½-digit, LCD voltmeter, battery warning	.38"	3-7.5, 6-15VDC	200mV-20V	**28.95**	**27.95**	**26.49**
2116584	V1ℛ	3½-digit, LCD voltmeter	.25"	7-12VDC	200mV-20V	**15.49**	**14.95**	**13.95**

Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Over range & low battery indicators
- Measures resisistance, capacitance and diode test
- Relative mode for zero or user applied reference
- **Cap. range:** 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
- **Resis. range:** 400Ω, 4kΩ, 400kΩ, 4MΩ, 40MΩ

Part No.	Mfr. Part No.	1	5
1939685	RC100	**$64.99**	**$61.95**

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A

Part No.	Product No.	1	5	25
162309	ST-50	**$34.95**	**$29.95**	**$26.95**

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Test frequencies of 120Hz and 1kHz
- Selectable parallel or series equivalent circuit
- **Res. ranges:** 20Ω to 10MΩ
- **Cap. ranges:** 2000pF to 10mF
- **Induc. ranges:** 2000µH to 10,000H
- Quality (Q) reading: 0 to 9999
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation factor (D) reading: 0 to 0.9999
- Measures L, C & R w/ secondary parameter Q, D or R; both are displayed
- Size: 3.6"W x 2.1"D x 7.6"H
- Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	5
198678	LCR Meter	**$209.99**	**$199.95**
189238	9VDC adapter for P/N 198678	**6.95**	**5.95**

Kill A Watt™ Energy Consumption Meters

Measures how much energy appliances consume. Simply connect appliances to the Kill A Watt™, and it will assess how efficient they really are. Counts consumption by the Kilowatt-hour, same as your local utility. You can calculate your electrical expenses by the day, week, month, even an entire year. Also check the quality of your power by monitoring voltage, line frequency and power factor.

- Forecast your costs
- Max. power: 1875VA
- Displays volts, amps, watts and Hz
- Maximum current: 15A
- Large LCD display
- Operating voltage: 115VAC
- 0.2% accuracy

SAVE ENERGY!

Part No.	Mfr. Part No.	Measures	1	5
2075946	P4400ℛ	8	**$24.95**	**$22.49**

★Cable Testers — Enter Web Code TBF

Batt-O-Meter

This battery tester looks inside your music instruments and 9V devices to measure voltage and remaining hours to use. Features a gold-plated 1/4" power probe that plugs into most instruments and effects pedals to test remaining life of those hard to reach batteries.

- Small and portable
- Works on any guitar pedal
- Self test function
- Identifies pedal and measures power
- Externally test alkaline, rechargeable and carbon zinc (9V, AA, AAA...) batteries with selector switch

Part No.	Mfr. Part No.	1	5
2125122	Batt-O-Meter	**$22.95**	**$21.95**

Electronic Starter Kit

JAMECO EXCLUSIVE

This kit includes everything you need to get started with electronics.

Includes one of each:

- 8 function 20K count DMM (P/N 318764, pg 135)
- 6.5" x 3.125" breadboard (P/N 20758, pg 154)
- Wire cutter (P/N 35482, pg 143)
- Wire stripper (P/N 127862, pg 142)
- Solder (P/N 170457, pg 152)
- Hook-up wire (P/N 126085, pg 50)
- 11-pc. precision screwdriver set (P/N 226094, pg 145)
- Jumper wire kit (P/N 2096018, pg 155)
- Electrical tape (P/N 285587, pg 152)
- Soldering iron (P/N 129040, pg 147) and stand (P/N 36329, pg 147)
- Assorted capacitors (P/N 17911, pg 40) and resistors (P/N 134130, pg 40)

Part No.	Description	1	5
2099171	Electronic Starter Kitℛ	**$109.95**	**$99.95**

USB Data Loggers

★Web Code: LOG

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed and exported to other applications
- Windows® 98/2000/XP/Vista compatible software included

2076367

2076412

2113181

2076367:

- Relative humidity range: 0 to 100% RH
- Set-ups: logger name, ˚F/˚C, logging rate (10 sec. to 12 hrs.)

2076412

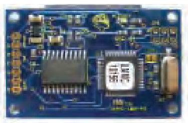
- Immediate, delayed and push-to-start mode
- High contrast LCD shows last, high and low stored readings

2113181:

- Measurement range: -20 to +70°C; 0 to 100% RH
- User-programmable alarm thresholds for T & RH%

Part No.	Mfr. Part No.	Description	1	5
2076367	EL-USB-2-LCDℛ	Temp., humidity & dew point data logger	**$99.95**	**$89.95**
2076412	EL-USB-TC-LCDℛ	Standalone data logger	**99.95**	**89.95**
2113181	EL-USB-RTℛ	Temperature & humidity logger	**69.95**	**64.95**

Serial Data Logger Module



- Use for data logging (GPS, space/aircraft vehicle telemetry, industrial environment sensors, weather station data)
- 2400-460800 bps serial
- 3V-5V operation
- Store script/code for MCU sequencing
- Store images and telemetry for robotics
- Support SD/SDHC/MMC/TF flash memory upto 32GB
- Interface with any MCU (PIC, AVR, 8051, Arduino, etc.)

Part No.	Mfr. Part No.	1	5
2135769	DS-MMC	**$49.95**	**$44.95**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Environmental Meters & Testers

When you're out in the field, there are plenty of times where measurements need to be taken, but the challenge lies in physically getting to the area to take the measurement. This line of environmental meters and testers can make testing much simpler, like our infrared thermometers that can take temperatures from further distances without having to make contact. These products measure everything from air velocity and sound levels to gas leakage and electromagnetic fields. If there's a measurement to be taken, these tools can do the job.

1537299

219361

2112541

214480

198045

1939634

218085

1939731

2112575

131764

1939642

645642

198002

145710

14285

105196

F of V: Field of View (Distance to target)

★Web Code: EMT

Part No.	Manufacturer	Mfr. Part No.	Description	1	5
1537299	Extech	IR100	Thermometer, Mini IR, measures temp.(-31 to 446˚F) F of V 1:1	**$39.99**	**$37.95**
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp. (-58˚ to 518˚F) F of V 6:1	**59.95**	**56.95**
2112541	Extech	42510A	Thermometer, wide range mini IR, 12:1 compact thermometer w/ laser pointer (-58 to -1200°F/-50 to -650°C) 12:1 Compact IR	**99.99**	**94.95**
214480	Fluke	FLUKE-52-2	Thermometer, measures temp. large backlit dual display, dust splash resistant (-328° to 2501°F)	**290.00**	**—**
198045	Extech	445703	Thermometer, Digital Hygro/Humidity Meter w/ Indoor Readings, measures temp. (14˚ to 140˚F) & RH (10-99%),	**41.99**	**39.95**
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35" cable, temp. (14˚ to 140˚F) & RH (10-99%)	**42.99**	**40.95**
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp. (0˚ to 122˚F) & air velocity (1.1 to 62.5mph)	**109.99**	**104.95**
1939731	Extech	RPM10	Thermometer, IR & Tachometer, measures temp. (-4˚ to 600˚F) & RPM: photo tach. (10 to 99,999 rpm), contact tach. (.5 to 19,999 rpm) & surface speed (.2 to 6560 feet/min or .05 to 1999.9 miles/min)	**329.99**	**315.95**
2112575	Extech	EA11A	Thermometer, Type K, EasyView Series, Dual LCD, Single input with thermocoupler (-58 to 1999˚F, -50 to 1300C)	**94.99**	**89.95**
131764	BenchPro	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	**109.95**	**89.95**
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	**259.99**	**245.95**
645642	Extech	407730	Sound Level Meter, Digital, decibel range (40dB to 130dB)	**89.99**	**85.95**
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	**89.99**	**85.95**
145710	BenchPro	256551	Modular Cable Tester, tests 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA568A/568B, & Token Ring cables, Tests for: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters and 9V battery	**59.95**	**53.95**
14285	BenchPro	RS232	RS232 Line Tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	**7.95**	**6.95**
105196	BenchPro	TRIPORTℛ	RS232 Signal Adapter/Splitter, metal connectors DB25F/M & DB9M gold plate DC contacts	**2.95**	**2.49**

3-in-1 Multimeter and Cable/Line Tester

Combines the functions of a multimeter, phone line tester, and network cable tester in one!

- 2000 count LCD display (15mm display size) w/ automatic polarity indication and white backlight
- Continuity and diode test
- **DC voltage ranges:** 0.2 to 1000V
- **AC voltage ranges:** 0.2 to 700V
- **DC current ranges:** 200µA to 10A
- **AC current ranges:** 200µA to 10A
- Size: 3.3"W x 1.1"D x 7.3"H
- Weight: 1.4 lbs.

Includes: 9V battery, test leads, remote box for cable testing, and users manual

Part No.	Mfr. Part No.	1	5
1955984	DVM1000	**$69.95**	**$62.95**

★Digital Multimeters — Enter Web Code HBK

3-in-1 Lab Center

Digital Multimeter:

- 3-1/2 backlit LCD
- Automatic polarity indication
- **DC voltage ranges:** 200mV to 600V
- **AC voltage ranges:** 200V to 600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak)
- On/off switch

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron
- Temperature range: 150˚ to 450˚C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1	**$159.95**	**$139.95**

3-in-1 Lab Center

Oscilloscope:

- 10MHz bandwidth
- Real-time sampling rate up to 40MS/s
- Readouts: DC, DC+AC, True RMS, dBm, Vpp, Min-Max.
- White LED backlight

Function Generator:

- DDS type generator
- DAC resolution: 10 bits
- Frequency range: 1Hz to 1MHz
- Waveforms: sine, square, triangle
- Sweep function with bi-directional option

Power Supply:

- Fixed output voltages: 3V, 5V, 6V, 9V, 12V (±5%)
- Peak output curr.: 1A
- LED output overload indicator

Includes: Scope probe, RCA adaptor, user manual and AC cord

Part No.	Mfr. Part No.	1	5
2120840	LAB2Uℛ	**$299.95**	**$269.95**

4-in-1 Lab Center on page 136

See www.Jameco.com for complete specifications

4 LEVELS OF SAVINGS: NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

RoHS ℞ RoHS Compliant Product + RoHS Also Available DETAILS ON PAGE 180

EXTECH
38073

P/N 1536843
$18.99

VASTECH INC
DT830B

P/N 1928476
$8.95

EXTECH
MN35

P/N 645618
$19.99

EXTECH
381676

P/N 1537184
$44.99

WAVETEK Meterman
DM7

P/N 214261
$17.95

MASTECH
M300

P/N 220812
$10.95

Velleman
DVM850BL

P/N 355207
$17.95

JAMECO BenchPro
BP-1562

P/N 318781
$10.95

MASTECH
MAS830L

P/N 220759
$14.95

MASTECH
MAS838

P/N 220741
$19.95

JAMECO BenchPro
BP-1415

P/N 318764
$59.95

EXTECH
EX330

P/N 645626
$59.99

EXTECH
EX430

P/N 1581177
$94.99

EXTECH
EX505

P/N 2094127
$114.99

FLUKE
115

P/N 1537328
$167.95

FLUKE
117

P/N 1537336
$205.95

★Web Code: HBK

★Web Code: HBK

					Basic Measurement Functions											Test Functions				Special Functions							
Jameco Part No.	Manufacturer Part No.	Type	No. of Functions	Display Count	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Battery Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H" x W" x D")	Jameco Part No.	Pricing	
														°C	°F											1	5
1536843	Extech 38073	AMM	6	1	—	2.5V - 300V	10V - 300V	0.5A - 250mA	—	10KΩ - 1MΩ	—		—	—	—		✔							3.5 x 6.1 x 1.9	1536843	$18.99	$17.95
1928476	Vastech DT830B	DMM	4	1999	1V	200mV - 1000V	200V - 750V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔			✔					5.0 x 2.7 x 1.0	1928476	8.95	7.95
645618	Extech MN35	DMM	5	2000	100µV	200mV - 600V	200mV - 600mV	200mA - 10A	—	200Ω - 20MΩ	—		—	-20 to 750	-200 to 1400	✔		✔						5.4 x 3.0 x 1.5	645618	19.99	18.95
1537184	Extech 381676	DMM	5	2000	100µV	200mV - 600V	200m - 600V	—	—	200Ω - 20MΩ	—		—	—	—	✔		✔		✔				8.2 x 1.5 x 1.1	1537184	44.99	42.95
214261	Wavetech DM7	DMM	6	1999	1mV	2V - 600V	200V - 600V	200mA	—	2Ω - 2MΩ	—		—	—	—	✔	✔							5.5 x 3.1 x 1.5	214261	17.95	15.95
220812	Mastech M300	DMM	6	2000	1mV	2V - 500V	200V - 500V	200mA	—	2kΩ - 2MΩ	—	↔	—	—	—	✔		✔						4.7 x 2.7 x 0.8	220812	10.95	9.95
355207	Velleman DVM850BL	DMM	6	2000	100µV	200mV - 100V	200V - 600V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔	✔					5.4 x 2.7 x 1.2	355207	17.95	15.95
318781	BenchPro BP-1562	DMM	6	2000	100µV	200mV - 600V	200V - 750V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔			✔					5.4 x 2.7 x 1.2	318781	10.95	9.95
2131127	Velleman DVM810℞	DMM	7	2000	1V	200mV - 500V	200mV - 500V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔			✔					3.6 x 1.8 x 1.0	2131127	9.95	8.95
220759	Mastech MAS830L	DMM	7	2000	100µV	200mV - 600V	200V - 600V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔	✔					5.7 x 3.0 x 1.4	220759	14.95	13.95
2113471	Fluke-87-5	DMM	7	6,000	10uV	0 - 1000V	0 - 1000V	0 - 10A	0 - 10A	0 - 50M	0 - 9999µF		0 - 200K	-200 to 1090	-328 to 1994	✔		✔			✔		✔	7.4 x 3.4 x 1.3	2113471	399.95	—
220741	Mastech MAS838	DMM	8	2000	100µV	200mV - 600V	200V - 600V	.2mA - 10A	—	200Ω - 2MΩ	—		—	-20 to 1000	—	✔		✔	✔					5.7 x 3.0 x 1.4	220741	19.95	17.95
318764	BenchPro BP-1415	DMM	8	20,000	10µV	200mV - 1000V	2V - 700V	2mA - 20A	2mA - 20A	200Ω - 200MΩ	2000pF - 20µF		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764	59.95	54.95
645626	Extech EX330*	DMM	9	4000	100µV	.1mV - 1000V	.1mV - 750V	.1µA - 10A	.1µA - 10A	.1Ω - 40MΩ	.001nF - 200µF		.001 - 10M	-50 to 1000	-58 to 1832	✔		✔		✔				5.7 x 2.9 x 1.6	645626	59.99	56.95
1581177	Extech EX430	DMM	9	4000	100µV	.1mV - 1000V	.1mV - 750V	.1µA - 20A	.1µA - 20A	.1Ω - 40MΩ	.1nF - 100µF		.001 - 10	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1581177	94.99	89.95
2094127	Extech EX505	DMM	9	4000	10µV	0.1mV - 1000V	0.1mV - 1000V	0.1µA - 10A	0.1µA - 10A	0.1 - 40M	0.01nF - 100µF		0.001 - 9.99M	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.2 x 3.2 x 2.2	2094127	114.99	109.95
1537328	Fluke 115†	DMM	9	6000	100µV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999µF	↔	99.99 - 50k	—	—	✔		✔		✔	✔		✔	6.3 x 3.3 x 1.9	1537328	167.95	—
1537336	Fluke 117*†	DMM	9	6000	100µV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999µF		99.99 - 50k	—	—	✔		✔		✔	✔		✔	6.3 x 3.3 x 1.9	1537336	205.95	—
1939651	Extech EX530	DMM	9	40,000	100µV	400mV - 1000V	400mV - 1000V	400mA - 10A	400mA - 10A	400Ω - 40MΩ	40nF - 40µF		40 - 400	-45 to 750	-50 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1939651	219.99	209.95
2118459	RSR MS8229	DMM	10	3999	1V	400mV - 1000V	400mV - 750V	400µA - 10A	400µA - 10A	400Ω - 40MΩ	40µF - 100µF		9.999 - 200k	-20 to 1000	-4 to 1832	✔		✔		✔				7.7 x 3.6 x 2.2	2118459	99.95	89.95
692502	Extech DM110	DMM	10	4000	100µV	0 - 500V	0 - 500V	0A - .40	0A - .40A	400Ω - 40MΩ	0 - 200µF		9 - 10M	—	—	✔		✔						4.3 x 2.2 x 0.5	692502	39.99	37.95
220775	Mastech MY64	DMM	11	2000	100µV	200mV - 1000V	200mV - 700V	2mA - 10A	2mA - 10A	200Ω - 200MΩ	2nF - 20µF		2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	220775	39.95	35.95
645571	Velleman DVM890F	DMM	11	2000	100µV	200mV - 1000V	2V - 700V	2mA - 10A	20mA - 10A	200Ω - 200MΩ	2000pF - 20µF		—	—	-58 to 1832	✔		✔	✔					6.7 x 3.5 x 1.5	645571	39.95	35.95
211650	Extech MN26T	DMM	11	4000	100µV	400mV - 600V	400mV - 600V	400µA - 10A	400µA - 10A	400Ω - 40MΩ	4nF - 200µF		10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	211650	44.99	42.95
117373	BenchPro BP-1949	DMM	11	4000	100µV	400mV - 400V	4V - 400V	400µA - 10A	400µA - 10A	400Ω - 4MΩ	50nF - 100µF		5 - 50k	-20 to 1000	-4 to 1532	✔		✔		✔		✔		7.7 x 3.6 x 1.6	117373	79.95	69.95
137462	BenchPro MS8226T	DMM	11	4000	100µV	400mV - 400V	4V - 400V	400µA - 10A	400µA - 10A	400Ω - 4MΩ	50nF - 100µF		5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	137462	99.95	89.95
220767	Mastech MY68	DMM	12	3260	100µV	326mV - 1000V	3.26V- 700V	326µA - 10A	326µA - 10A	326Ω - 32.6MΩ	326nF - 32.6µF	↔	32.6k - 150k	—	—	✔		✔	✔	✔	✔			7.4 x 3.6 x 1.3	220767	44.95	39.95
192655	Fluke 175	DMM	12	6000	100µV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999µF		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655	259.95	—
2112532	Extech EX570	DMM	12	40,000	0.1V	0.1mV - 1000V	0.1mV - 1000V	.1µA-10A	.1µA-10A	0.01 - 40M	.001nF - 10,000µF		.0001Hz - 40MHz	-45 to 750	-50 to 1382	✔	✔	✔			✔		✔	7.3 x 3.3 x 2.3	2112532	249.99	239.95
185535	Fluke 179†	DMM	13	6000	100µV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999µF		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535	280.95	—
2094119	Extech EX613§	Clamp	9	40,000	10µV	0 - 600V	0 - 600V	400A	400A	.01Ω - 40M	10pF - 40,000µF		40MHz max.	-50 to 1000	-58 to 1832					✔			✔	9.7 x 4.0 x 1.9	2094119	189.99	179.95
374070	Extech MA220	Clamp	10	4000	100µV	400mV - 600V	400mV - 600V	40A - 400A	40A - 400A	400Ω - 40MΩ	40nF - 100mF		5 - 150k	-50 to 1000	-58 to 1830	✔		✔						7.9 x 2.0 x 1.4	374070	109.99	104.95
1585881	Extech EX830§	Clamp	11	4000	100µV	0.1mV - 600V	0.1mV - 600V	100mA - 1000A	100mA - 1000A	.01Ω - 40MΩ	0.001nF - 40000µF		0.001 - 4k	-50 to 270	-58 to 518	✔		✔					✔	8.5 x 4.3 x 2.0	1585881	219.99	209.95

* With non-contact voltage detector (100-600VAC range)   † With backlight   § Soft case included

EXTECH
EX530

P/N 1939651
$219.99

EXTECH
DM110

P/N 692502
$39.99

MASTECH
MY64

P/N 220775
$39.95

Velleman
DVM890F

P/N 645571
$39.95

EXTECH
MN26T

P/N 211650
$44.99

JAMECO BenchPro
BP-1949

P/N 117373
$79.95

JAMECO BenchPro
BP-1737

P/N 137462
$99.95

MASTECH
MY68

P/N 220767
$44.95

FLUKE
175

P/N 192655
$259.95

EXTECH
EX570

P/N 2112532
$249.99

FLUKE
179

P/N 185535
$280.95

EXTECH
EX613

P/N 2094119
$189.99

EXTECH
MA220

P/N 374070
$109.99

EXTECH
EX830

P/N 1585881
$219.99

℞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Multimeters & Oscilloscopes

4-in-1 Lab Center

This kit combines 4 different functions in one instrument for easy and compact measurement and testing.

DDS Function Generator:
- Frequency range: 0.1Hz~10MHz
- Wave outputs: Sine, Square, Triangle, Pulse, TTL output

Frequency Counter:
- Channel A: 1Hz~110MHz
- Channel B: 100MHz~2.7GHz

DC Power Supply
- Adjustable voltage output: 0~30V / 0~3A
- 3 fxed voltage outputs: ±15V/1A, +5V/2A

Digital Multimeter:
- 50 measurement functions
- Max. AC/DC voltage: 1000VDC/750VAC
- Max. DC/AC current: 20A
- Resistance range: 0.1Ω ~ 80MΩ
- Capacitor range: 1pF ~ 100μF
- Temp. range: -50°C ~ 1372°C (-58°F ~ 2502°F)
- RS-232 interface for possible PC communication

Includes: Power cord, test leads, fuses, temperature probe, RS-232 cable for DMM, user's manual

- Size: 15.0"W x 12.5"D x 6.6"H • Weight: 30.2 lbs.

Part No.	Mfr. Part No.	1	5
2135814	US-9170A	$999.95	$949.95

20MHz Industrial ScopeMeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

- Dual-input TrendPlot™ recorder
- Dual-input 40MHz or 20MHz digital oscilloscope
- Two 5000-count true-RMS digital multimeters
- 600V CAT III safety certified
- Optically-isolated interface for PC connection
- Up to 7 hours battery operation

Includes: Battery pack with charger, test leads and CD-ROM with user's manual

Part No.	Mfr. Part No.	Price
160661	Fluke 123-003 (w/o software)	$1,406.95

★ *Digital Multimeters — Enter Web Code HBK*

Video Borescope/Wireless Inspection Camera

- Detachable wireless 3.5" color TFT LCD display
- 39" (1m) flexible gooseneck with waterproof camera head
- 2 built-in bright LED lights for illuminating dark areas
- Videos and images can be viewed on the wireless monitor or transferred to your PC

Includes: 4 AA batteries, 2GB microSD memory card, SD adaptor, USB cable, extension tools, video cable, AC adaptor, magnetic base stand and storage case

Part No.	Mfr. Part No.	1	5
2112591	BR200	$299.99	$284.95

4000-Count True-RMS Benchtop Multimeter with RS-232

- 9 functions, 32 ranges
- 3¾-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100μV maximum
- **DC voltage ranges:** 400mV – 1000V (0.3% accuracy)
- **AC voltage ranges:** 4V – 750V
- **DC/AC current ranges:** 4mA – 10A
- **Resistance ranges:** 400Ω – 40MΩ
- **Capacitance ranges:** 4nF – 40μF
- **Frequency ranges:** 100Hz – 600kHz
- Diode and continuity test • Delay hold mode
- Min., max., and relative hold function
- Input voltage: 9V battery or 90-132VAC/198-264VAC @ 50-60Hz • Weight: 3.3 lbs.
- Size: 9.0"W x 9.4"D x 3.3"H • Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable & software (98/ME/2000/XP compatible)

Part No.	Mfr. Part No.	1	5
230586	B940	$209.95	$199.95

20MHz/30MHz 2-Channel Analog Oscilloscopes

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 (P/N 685311); (10MHz, 3dB) x 5 (P/N 2112823) gain selected
- Horizontal deflection: 0.1μs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input volt.: 115/230VAC with line voltage selector
- ADD function measures sum of 2 signals (P/N 685311)
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.

Includes: 2 (X1/X10) test probes, power cord & manual

Part No.	Mfr. Part No.	1	5
685311	SK0200 (20MHz)	$429.95	$399.95
2112823	SK0300 (30MHz)	499.95	459.95

Handheld Pocket Oscilloscopes

Never be left without a scope again!

2127339

- Real-time sampling rate: 40MS/s
- Full auto range option
- Hold & store functions
- Direct audio power measurement

2127339:
- NiMH rechargeable battery
- Size: 2.9"W x 1.1"D x 4.5"H

2128294

2128294:
- Adjustable trigger level
- Multiple screen modes
- Screen capture function
- Li-Ion rechargeable battery
- Size: 4.3"W x 1.6"D x 6.9"H

Includes: Measuring probe and

Part No.	Mfr. Part No.	1	5
2127339	HPS140I (10MHz)	$189.95	$179.95
2128294	HPS50 (12MHz)	374.95	339.95

★ *Oscilloscopes Available Online — Enter Web Code RCG*

25MHz/40MHz 2-Channel Digital Oscilloscopes

- API-0025 (25MHz) API-0040 (40MHz)
- Display: 5.7" brilliant color TFT display with 64k color
- USB host/device: support USB printer and USB flash drive
- 12 language screen menu
- Math: add, subtract, FFT
- Digital filter function, waveform recorder function, pass/fail function
- Measure system:
  - – 32 parameters auto measure
  - – Cursor measure: manual, track, and auto mode
- Size: 12"L x 5.3"W x 6.0"H • Weight: 5.0 lbs.

Includes: Oscilloscope probes, USB cable, manual, and CD software

Part No.	Mfr. Part No.	Real Time Sampling Rate	1	5
2126969	API-0025	500MSa/s	$469.95	$425.95
2126951	API-0040	1GSa/s	659.95	595.95

20MHz 2-Ch Digital Oscilloscope

Dual-channel with 3.8" (97mm) color LCD display

- 20 automatic measurements including frequency, cycle, average, peak-to-peak, RMS and more
- Waveform math: add, subtract, multiply and divide
- XY mode and FFT function to view component frequencies
- USB interface and software for transferring waveforms and data • Size: 4.1"W x 1.6"D x 7.0"H

Includes: Two 1X/10X scope probes, test leads, Windows® compatible USB software and cable, capacitor measuring module, adjustment screwdriver, AC adapter and carrying case

Part No.	Mfr. Part No.	Price
2138468	MS420	$949.00

25MHz PropScope 2-Ch Oscilloscope

Built-in expansion port allows additional capabilities and upgrades by simply plugging in an expansion card. The included software provides all the traditional functions of an oscilliscope as well as functions for a function generator, logic analyzer, spectrum analyzer, vector-scope, and more!

PropScope:
- 2 input channels • 25 million samples per second
- 20 Vpp maximum input range
- 10-bit input resolution • USB port powered
- Operating temp.: 32°F to 158°F
- Size: 4.7"L x 2.7"W x 1.1"H

NEW MARKED IN PINK

Expansion card:
- 4-bit DAC for generating NTSC and PAL signals
- External analog trigger w/ -10V to +10V input range
- 4-bit digital input and trigger

Includes: PropScope DAC expansion card and 1x/10x selectable probes

Part No.	Mfr. Part No.	Price
2136518	32220	$199.95

Also available w/ Text Guide and parts (P/N 2134871, pg 173)

INSTEK

150MHz 2-Channel Digital Oscilloscope

- USB host and device interface supported
- Bandwidth (-3dB): 150MHz
- Real-time sample rate: 1GSa/s real-time sample rates maximum, 25GSa/s
- 2-channels with 8-bit vertical resolution
- 2Mega point record length
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div ~ 10V/div
- Input voltage: 100-240VAC @ 48-63Hz
- Time base range: 1ns/div ~ 50s/div
- Trigger sensitivity: DC-25MHz: 0.5div or 5mV 25MHz ~ 150MHz: 1.5div or 15mV
- Go/NoGo, data logger and zoom FFT functions
- Frequency counter: 6 digits • Weight: 5.5 lbs.

Includes: BNC cable, power cord & user's manual

Part No.	Mfr. Part No.	Size (W x D x H)	Price
2143401	GDS-1152A-U	12.2" x 5.5" x 5.6"	$1,099.95

50MHz 2-Ch USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. It has a highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz.

velleman

Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz

Spectrum Analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

★Web Code: RCG

Transient Recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System Requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Mfr. Part No.	1	5
695017	PCSU1000	$449.95	$399.95

40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator

Oscilloscope:

2 in 1

1536886

SKMI

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: With built-in 60MHz auto-detect counter

Function Generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt: 20Vp-p (no load), 10Vp-p (w/ 50Ω load)
- See www.Jameco.com for additional specifications

3 in 1

Part No.	Mfr. Part No.	1	5
1536886	SK0404	$649.95	$609.95
1586200	SK0409	699.95	649.95

3MHz Function Generator with Positive and Negative Pulses

SKMI

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges • Size: 10.5"W x 11.2"D x 3.9"H
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch • Weight: 6.6 lbs.

Part No.	Mfr. Part No.	1	5
685329	SK3000	$209.95	$189.95

5MHz Function Generator

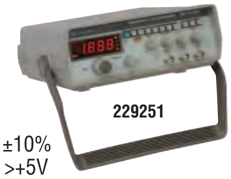
BK PRECISION

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs. • Two-year warranty

Part No.	Mfr. Part No.	1	5
160469	BK4011A	$399.95	$379.95

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator



229251

INSTEK

- Waveforms: sine, triangle, square, TTL and CMOS output
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty

229251: • 4-digit LCD display

- Ranges: 0.2Hz to 2MH • Size: 9.1"W x 11.0"D x 3.7"H

229260: • 6-digit LCD display with ramp

- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz • Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operation manual and leads

Part No.	Mfr. Part No.	Description	1	5
229251	GFG-8020H	2MHz	$249.95	$229.95
229260	GFG-8216A	3MHz	299.95	269.95

150MHz 2-Channel Universal Frequency Counter

- 8-digit green LED display (0.56" digit height)
- Adjustable range & gate time
- Freq. range: 0.2Hz ~ 150MHz
- Gate time range 0.01s ~ 10s
- Impedance: 1MΩ, <40pF
- Channel A sensitivity – 25mVrms: 0.2Hz ~ 100MHz, 50mVrms: 100MHz ~ 150MHz; channel B – 25mVrms: 0.2Hz ~ 100MHz
- Count capacity: 0 ~ 99999999 (MHz)
- Input voltage: 100/220 @ 50/60Hz
- Size: 10.0"W x 3.2"H x 10.3"D

SKMI

Part No.	Mfr. Part No.	1	5
2112840	FC-150U	$299.95	$279.95

2.4GHz 2-Channel Frequency Counter

velleman

- 8-digit green LED display with annunciators
- Adjustable range & gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100msec to 10sec
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H • Weight: 3.5 lbs.

Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	$149.95	$134.95

5MHz Sweep Function Generator with 60MHz Counter

Function Generator

SKMI

- Waveforms: triangle, sine, square, ramp, positive pulse, negative pulse
- Frequency range and display: 0.05Hz ~ 5MHz, 5-digit LED display (0.001Hz resolution)
- 8 ranges controlled by rotary switch
- DC offset ±10V (no load), ±5V (50Ω load) continuously adjustable controlled by offset switch

Frequency Counter:

- 5-digit LED display (0.36" digit height)
- Resolution: 0.001Hz
- Display unit: Hz/kHz (auto) • 20MHz time base
- INT/EXT switch, 0.500Hz to 5000KHz internal with 4 res., 0.2Hz ~ 60MHz external
- Size: 11.8"W x 3.5"H x 10.8"D • Weight 5.5 lbs.

Includes: power cord and operation manual

Part No.	Mfr. Part No.	1	5
2112831	SK5200	$279.95	$249.95

★Function Generators — Enter Web Code DEJ

★Frequency Counters — Enter Web Code VCG

JAMECO ValuePro

60/100/250MHz Modular Oscilloscope Probes

22892

216047

236777

★Web Code: RAC

- Hook and pointed probes
- Maximum input volt.: 600V • Length: 5'
- Alligator clip ground wire • BNC male connector
- **216047/236777**: With IC test ground cover and spring ground contact

Part No.	Bandwidth (±3dB) Attenuation x1	Bandwidth (±3dB) Attenuation x10	Impedance (R/C)* Attenuation x1	Impedance (R/C)* Attenuation x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* With 20pF oscilloscope input

Part No.	Product No.	1	5	25
22892	LF101Eℛ	$24.95	$22.49	$19.95
216047	HF-9100	29.95	26.95	23.95
236777	HP-9250	39.95	35.95	31.95

★More Probes Available Online — Enter Web Code RAC

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

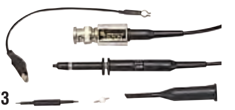
4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

Probes, Testers & Benchtop Power Supplies

150/250MHz Oscilloscope Probes

PROBE MASTER

Designed for use with Tektronix and Hewlett Packard oscilloscopes.


174473

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

212257

Part No.	Mfr. Part No.	Description	1	5
174473	4901-02 (150MHz)	7-pc. kit	**$54.95**	**$49.95**
212257	4915A (250MHz)	25-pc. kit	**149.95**	**139.95**

60/100/250MHz Probe Sets

velleman

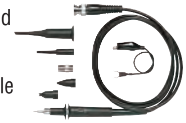
2130781/2130618
2130482

- Probe set with multiple tips
- Attenuation of 1:1 or 1:10
- Cord length: 4'
- Conforms with IEC-1010 CAT II

Part No.	Mfr. Part No.	x10 Bandwidth	1	5
2130781	PROBE60S	60MHz	**$13.95**	**$12.49**
2130618	PROBE100	100MHz	**20.95**	**18.95**
2130482	PROBE250	250MHz	**36.95**	**33.95**

100MHz Probe Set

Pomona



- Complete accessory kit included
- Compensation range: 10~60pF
- Bandwidth: 15/100MHz (-3dB)
- Attenuation: x1/x10 • 48" cable
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ • Capacitance: 64/10.5pF

Part No.	Mfr. Part No.	1	5
156451	4550B (100MHz)	**$63.95**	**$59.95**

High Voltage Test Probe

JAMECO BenchPro

- Maximum voltages: DC:40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC:±1.5%, AC:±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Probe length: 14" • Cable length: 39"

Part No.	Product No.	Weight	1	5	25
132290	HV-40	0.8 lbs.	**$69.95**	**$65.95**	**$61.95**

80-Watt Switching Mode DC Power Supply

3 in 1

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Remote sensing for accurate applied voltage at load point
- 3 ranges: 0 – 16.4V @ 0-5.1A; 0 – 27.6V @ 0 – 3.1A; 0 – 36.8V @ 0 – 2.3A
- Front and rear output terminals
- Size: 5.0"W x 2.1"D x 13.0"H • Weight: 4.2 lbs.

EXTECH INSTRUMENTS

Part No.	Mfr. Part No.	1	5
1939600	382260	**$269.99**	**$255.95**

17MHz Logic Pulser

JAMECO BenchPro

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10μs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train

★ Web Code: MAQ

Part No.	Product No.	1	5	25
24601	LP540H	**$29.95**	**$26.95**	**$23.95**

17MHz Logic Probe

JAMECO BenchPro

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC

Part No.	Product No.	1	5	25
149930	LP3500	**$39.95**	**$35.95**	**$32.95**

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. Tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female–female cables and Firewire.

- Auto power off, auto & manual scan

Includes: 9V battery

Paladin Tools®

Part No.	Mfr. Part No.	1	5	25
652480	1577	**$179.95**	**$169.95**	**$159.95**

108-Watt Desktop Power Supply

- Load regulation: ±2%
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Line regulation: ±5%
- Efficiency (typical): 81%
- Ripple and noise max.: 120mVp-p
- Voltage adjustment range: 12-15VDC
- Front panel on/off switch and 3 color LED loading indicator
- Short-circuit/overload/ overvoltage/ overtemperature protection
- Back panel 3-prong AC receptacle and banana plugs
- Size: 5.9"W x 5.5"D x 3.3"H • Weight: 3.3 lbs.

MW MEAN WELL

Part No.	Mfr. Part No.	1	5
673230	ESP-120-13.5ℛ	**$44.95**	**$39.95**

INFRARED THERMAL IMAGING CAMERAS

- High resolution camera
- microSD memory card slot
- Li-Ion rechargeable battery
- Hand strap
- Hard carrying case

★ Web Code: IRC

See all the details at www.Jameco.com

DV3100 Digital Logic Analyzer

From a new aluminum case to advanced triggering, adjustable threshold, more memory and a wider voltage range, the new DV3100 is the best value in a portable logic analyzer.

DigiView

- 18 channels @ 100MHz (10ns)
- Automatic real time hardware compression (Tri-mode) • Eliminates res. vs. depth tradeoffs
- +0.5 to +2.8V adjust. threshold
- Ground current protection ±12V
- USB 2.0 & 1.1 compatible

Includes: All cables, clips (quantity 20) and software

Part No.	Mfr. Part No.	1	5
2115776	DV3100	**$474.95**	**$424.95**

Saleae 8 & 16-Ch Logic Analyzers

2143427

Monitoring signals has never been easier with these 8 and 16-channel logic analyzers that are able to save as many as 10 billion samples! Features a small design, an average input voltage of 3.5V, USB 2.0 connection, as well as over-voltage and ESD protection.

- Compatible with Windows®, Linux, Mac OS
- Sample rate:
  2143427: 24MHz each channel
  2143451: 100MHz (2-ch), 50MHz (4-ch), 25MHz (8-ch), 12.5MHz (16-ch)

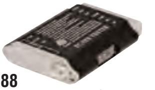
Includes: Logic analyzer, flexible test lead set, micro-hook clips, USB cable and custom carrying case

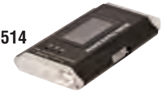
Part No.	Description	Size (L" x W" x H")	1	5
2143427	8-channel	1.7 x 1.7 x 0.36	**$149.95**	**$139.95**
2143451	16-channel	3.1 x 3.1 x 0.39	**299.95**	**284.95**

ATX Power Supply Testers

- Tester for ATX power supply outputs to indicate pass or fail
- 24-pin ATX connector
- 4-pin HDD/ floppy drive connector, and 6-pin/8-pin P4 connector on the other side
- Tests +3.3V, ±5V, ±12V, +5VSB and PG

1928450


2119988


2115514

1928450: LED indicators
2119988: LED indicators with on/off switch
2115514: LCD display readout

Part No.	Product No.	Color	1	5
1928450	PST20	Blue	**$17.95**	**$15.95**
2119988	E77CECE38L	Black	**14.95**	**13.49**
2115514	E77CEBE80L	Black	**24.95**	**22.49**

ATX POWER SUPPLIES

For use with all compatible computers, these power supplies keep all your work running safely at all times.

Part No.	Power	Price
2110422	250W	**$69.95**
427928	300W	**54.95**

See page 161 for more ATX Power Supplies and Cables

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

MASTECH JAMECO BenchPro

Single Output Benchtop Power Supplies

EXTECH INSTRUMENTS LASCAR electronics

- Voltage and current adjustable

★ Web Code: SAX

301920

175257

645600

301971

207618

301911

207706

175249

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing 1	Pricing 5
301920	Mastech	HY1503C	15/3	45	2-Analog	115 ±10%	Y	N	3.8 x 6.3 x 9.1	9	**$99.95**	**$89.95**
175265	BenchPro	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	**149.95**	**129.95**
175257	BenchPro	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	**149.95**	**129.95**
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	**139.99**	**132.95**
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	**129.99**	**123.95**
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	**89.95**	**84.95**
301866	Mastech	HY3003D	30/3	90	2-Digital LCD (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	10	**159.95**	**144.95**
207618	Mastech	HY3005C	30/5	150	2-Analog	115 ±10%	Y	N	5.4 x 6.2 x 11.5	14	**159.95**	**135.95**
301911	Mastech	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	**199.95**	**179.95**
207626	Mastech	HY3010C	30/10	300	2-Analog	115 ±10%	Y	N	10.4 x 6.5 x 14.4	31	**259.95**	**229.95**
207635	Mastech	HY3010R	30/10	300	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	31	**299.95**	**269.95**
207686	Mastech	HY3020ℛ	30/20	600	2-Digital LED (4)	115 ±10%	Y	N	10.4 x 6.5 x 14.4	42	**499.95**	**449.95**
207694	Mastech	HY5002ℛ	50/2	100	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	**169.95**	**149.95**
163723	BenchPro	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	**129.95**	**115.95**
207706	Mastech	HY5003	50/3	150	2-Digital LED (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	13	**209.95**	**189.95**
301938	Mastech	HY3005	30/5	195	2-Digital LED	115/230 ±10%	Y	N	11.5 x 5.25 x 6.25	10	**174.95**	**159.95**
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	17	**249.95**	**224.95**
175249	BenchPro	DPS5050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	**179.95**	**159.95**

MASTECH UNI EXTECH INSTRUMENTS

Multiple Output Benchtop Power Supplies

These benchtop power supplies are a must for every laboratory. They sit out of the way of your workspace and stay ready to supply power at all times. Single and multiple outputs are available for your specific laboratory needs. Standard banana input plugs provide easy connections, and precision adjustment knobs provide exact power outputs for all your projects. For more information, visit www.Jameco.com.

Perfect for Laboratory Use

- Voltage and current adjustable

★ Web Code: SAX

211693

301962

301947

197991

197982

1939618

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays (Digits)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing 1	Pricing 5
211722	Mastech	HY3002-2ℛ	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	23	**$229.95**	**$199.95**
211705	Mastech	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	23	**219.95**	**199.95**
211693	Mastech	HY3003D-2ℛ	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	28	**219.95**	**199.95**
211731	Mastech	HY3003-2ℛ	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	28	**279.95**	**259.95**
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	26	**279.95**	**249.95**
301947	Mastech	HY3005D-2ℛ	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	26.5	**309.95**	**279.95**
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	29	**249.95**	**224.95**
211684	Mastech	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	**299.95**	**269.95**
2145828	Unitech	PS-2303	0-30/3; 0-30/3; 5/3	195	110-120 @ 50-60Hz	4-Digital LED (3.5)	Y	Y	9.6 x 5.5 x 13.6	17.6	**324.95**	**299.95**
301955	Mastech	HY3005D-3ℛ	0-30/5; 0-30/5; 5/3	195	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	**349.95**	**314.95**
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	**199.99**	**189.95**
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	**169.99**	**159.95**
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110-127/220-240 ±10%*	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	**459.99**	**435.95**

* Selectable

JAMECO BenchPro

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Short-circuit protected
- Output mating terminals: see pg 141 for banana terminal plugs
- Illuminated rocker switch
- Fuse protected

★ Web Code: YEH

138668
Banana terminal (rear)

138676
Banana terminal

Part No.	Manufacturer	Mfr. Part No.	Power (W)	Output Volts @ Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
138668	BenchPro	38-381ℛ	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	**$64.95**	**$59.95**	**$54.95**
138676	BenchPro	52-192012ℛ	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	**109.95**	**94.95**	**84.95**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Test Leads, Cables, Plugs, Clips & Posts

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

Pomona ELECTRONICS | KEYSTONE | JAMECO BenchPro | PROBE MASTER

Test Leads and Cables

★Web Code: TLC

2113877

176971

11384

11422

176954

256832

2113869

1945962

212222

Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36ℛ	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	**$16.25**	**$15.49**	**$14.75**
159880	Pomona	2249-C-60ℛ	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	**19.95**	**18.95**	**17.95**
2113877	Pomona	3957	BNC male to Multi-Stacking banana plugs (2nd End)	1.55	**15.95**	**15.25**	**14.49**
176971	Pomona	4532-C-36ℛ	BNC male to Mini alligator clips w/ strain relief, RG58C/U, 50Ω, 20AWG, blk	36	**18.95**	**17.95**	**16.95**
11384	BenchPro	GCA26-Rℛ	BNC male to Alligator clip, RG58/U, black	23	**4.49**	**3.95**	**2.95**
11464	BenchPro	05-A-078-Rℛ	BNC male to Mini-clip test lead, RG174A/U, black	39	**4.49**	**3.95**	**3.59**
11422	BenchPro	05-A-081-Rℛ	BNC male to Micro-clip test lead, RG174A/U, black	39	**4.25**	**3.95**	**3.59**
2097150	Pomona	5187-C-36ℛ	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	**19.95**	**18.95**	**17.95**
176954	Pomona	5187-K-36ℛ	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	**28.49**	**26.95**	**25.49**
256832	BenchPro	CBB-069ℛ	BNC female to pigtail, 20 AWG, 2 wire, 1 black, 1 red	7	**5.49**	**4.95**	**4.49**
2097555	BenchPro	CBB-070ℛ	BNC male to pigtail, 20 AWG, 2 wire, 1 black, 1 red	9	**5.49**	**4.95**	**4.49**
2113869	Pomona	3788	BNC female Minigrabber test clips (2nd end)	2.56	**11.49**	**10.95**	**10.49**
1945962	BenchPro	TP-1	Protected probes w/ rt. angle banana screw-on alligator clips, 1 blk, 1 red	40	**7.95**	**6.95**	**6.25**
212222	Probe Master	8043S	Softie test probe leads, 10-pc. set, interchangeable tips, 18 AWG, 1 blk, 1 red	48	**26.95**	**25.95**	**24.95**
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk, 1 red	39	**36.95**	**33.95**	**31.95**
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black, 1 red	36	**8.95**	**7.95**	**6.95**
155951	Pomona	5519Aℛ	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk, 1 red	48	**14.75**	**13.95**	**13.25**
1814153	Pomona	1166-48-0	Multi-stacking banana plug to alligator clip, black	48	**5.95**	**5.65**	**5.35**
77738	BenchPro	GF19-Rℛ	Protected banana style multimeter test leads, 1 black, 1 red	40	**5.95**	**5.49**	**4.95**
77746	BenchPro	FC-15B-Rℛ	Standard banana style multimeter test probes, 1 black, 1 red	42	**7.49**	**6.75**	**5.95**
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36) 10-pc. assorted colors	15	**4.95**	**4.49**	**3.95**
159901	Pomona	B-24-02ℛ	Stackable banana patch cords, 18 AWG, 1 black, 1 red	24	**9.95**	**9.49**	**8.95**
159919	Pomona	B-36-02ℛ	Stackable banana patch cords, 18 AWG, 1 black, 1 red	36	**10.25**	**9.75**	**9.25**
77842	BenchPro	KLN-4-25/H-Rℛ	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	**26.95**	**23.95**	**20.95**
107423	BenchPro	GCA340-Rℛ	Double banana plug to alligator clip test leads, 1 blk, 1 red	36	**3.95**	**3.59**	**3.19**
159899	Pomona	3782-36-02ℛ	Mini-clip w/ stackable banana test leads, 20 AWG, 1 black, 1 red	36	**12.75**	**11.95**	**11.25**
21857	BenchPro	05-A-082-Rℛ	Mini-clip to stackable banana test leads, black	39	**3.95**	**3.49**	**2.95**
21865	BenchPro	05-A-079-Rℛ	Mini-clip to stackable banana test leads, red	39	**3.95**	**3.49**	**2.95**
135299	BenchPro	SF-207A-Rℛ	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	**10.95**	**9.95**	**8.95**
156495	Pomona	5523-Rℛ	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	**43.95**	**41.95**	**39.95**
155985	Pomona	2708Bℛ	9 slot test lead holder, accepts RG213 & RG214 wire sizes (blue)	11	**12.95**	**12.25**	**11.49**
155977	Pomona	4408ℛ	10 slot test lead holder, accepts RG59 & RG108 wire sizes (black)	11	**10.49**	**9.95**	**9.49**
155969	Pomona	1508ℛ	14 slot test lead holder, accepts RG58 & RG142 wire sizes (orange)	11	**12.49**	**11.95**	**10.75**

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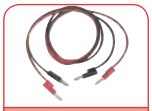
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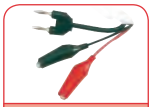
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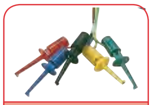
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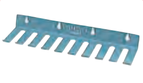
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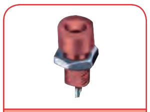
Test Clips, Plugs and Posts

71240

77691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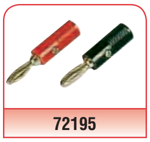
72195

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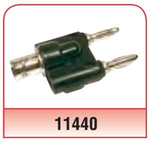
159927

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
71240	BenchPro	GIP-003-Rℛ	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	**$1.65**	**$1.49**	**$1.35**
77691	BenchPro	GIP-001-Rℛ	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	**1.75**	**1.59**	**1.39**
1582188	Keystone	6092ℛ	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	**1.59**	**1.39**	**1.25**
1582170	Keystone	6091ℛ	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	**1.39**	**1.29**	**1.19**
256779	BenchPro	R1-17-BLK-Rℛ	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	**7.95**	**6.95**	**5.95**
125197	BenchPro	GBRR2-Rℛ	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	**3.95**	**3.49**	**2.95**
72195	BenchPro	GBP205-Rℛ	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	**1.59**	**1.45**	**1.29**
137526	BenchPro	HP-2234P-Rℛ	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	**3.49**	**2.99**	**2.49**
159855	Pomona	1325-02ℛ	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x .17 Dia.	**3.35**	**3.19**	**2.95**
159863	Pomona	1825-02ℛ	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	**3.65**	**3.45**	**3.25**
125210	BenchPro	GBRR4-BLK-Rℛ	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	**2.25**	**1.95**	**1.75**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114810/114818

Continued on next page

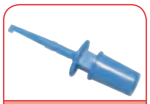
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Test Clips, Plugs and Posts (Continued)

More images on previous page

★*Web Code: TLC*

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
125218	BenchPro	GBRR4-RED-Rℛ	Solderless stackable double banana plug, w/ wire guide, red	1.59 L x 1.20 W	**$1.75**	**$1.49**	**$1.35**
159927	Pomona	MDP-02ℛ	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	**5.69**	**5.49**	**5.19**
11440	BenchPro	03-701A-Rℛ	BNC female to standard double banana plug, black	2.03 L x 1.7 W	**4.95**	**4.49**	**3.95**
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	**5.49**	**4.95**	**4.49**
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	**4.95**	**4.49**	**3.95**
99355	BenchPro	GB2BN2ℛ	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	**4.95**	**4.49**	**3.95**
114810	BenchPro	G2P004-Rℛ	Micro test clip, 1 red, 1 black	1.7 L	**1.59**	**1.45**	**1.29**
153163	BenchPro	SF-207-BL-Rℛ	Micro test clip, blue	1.7 L	**.75**	**.69**	**.59**
114818	BenchPro	G2P002-Rℛ	Mini test clip, 1 black, 1 red	3.5 L	**2.25**	**1.95**	**1.75**
248921	BenchPro	SF101CP-Rℛ	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	**.39**	**.35**	**.29**
248939	BenchPro	SF-103CP-Rℛ	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	**.55**	**.49**	**.45**
256525	BenchPro	SF105B-Rℛ	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	**.55**	**.49**	**.45**
70991	BenchPro	GIP006-Rℛ	Insulated alligator clips, 1 black, 1 red	2.3 L x .50 W	**.55**	**.49**	**.39**
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	**.35**	**.29**	**.25**
248972	BenchPro	SF103SV-RD-Rℛ	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	**.35**	**.29**	**.25**
1582065	Keystone	5012ℛ	Looped color coded test point, white	.45 L x .063 Dia.	**.25**	**.22**	**.19**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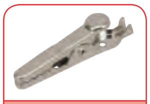
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JAMECO ValuePro

Test Lead Starter Kit

This kit includes our top selling test leads at a reduced price.

★*Web Code: TLC*

Includes one of each:

- BNC female-to-pigtail cable (P/N 256832)
- BNC male-to-pigtail cable (P/N 2097555)
- BNC male-to-alligator clip (P/N 11384)
- BNC male-to-mini clip (P/N 11464)
- BNC female-to-micro clip (P/N 11422)
- Mini clip to stackable banana test leads (P/N 21857)
- Double banana plug to alligator clip test leads (P/N 107423) • Protected probes (P/N 21865)
- Protected multimeter test leads (P/N 1945962)
- Standard banana-style multimeter test leads (P/Ns 77738/77746) • Anti-static wrist strap (P/N 34552)

Part No.	Product No.	1	5
2113236	Test lead starter kit	**$39.95**	**$36.95**

12-Pc Computer-Service Tool Kit

JAMECO BenchPro

- Kit includes:
  - 2 nut drivers: 3/16", 1/4"
  - 3-claw parts holder
  - 1-pc hex key wrench
  - IC extractor
  - 4-pc screwdriver set
  - Tweezers – Clear components tube holder
- Size: 8.5"L x 6.0"W x 1.5"H • Weight: 1.1 lbs.

Part No.	Description	1	5	25
167206	12-piece tool kit	**$13.95**	**$13.49**	**$11.95**

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter • Compact carrying case
- T-10, T-15, and T-20 Torx bits • Driver handle
- 3" extension bar for 1/4" drive • Tweezers
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	5	25
170069	26-pc. SAE tool set ..	**$15.95**	**$14.49**	**$12.95**

JAMECO BenchPro

40-Piece Electronic Tech Tool Kit

- Kit includes:
  - Wire cutters/ stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - 10-pc screwdriver set
  - T10-T25 reversible
  - Torx screwdriver bits
  - Potentiometer alignment tools
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - Extra long 3-claw parts holder
  - IC inserter with pin straightener – IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	5	25
119183	40-piece tool kit	**$21.95**	**$19.95**	**$17.95**

JAMECO BenchPro

51-Piece Tech Tool Kit

- Kit includes:
  - Storage box
  - 4 pliers
  - Tweezers
  - Scissors
  - 7-piece hex key set
  - PVC insulated tape
  - Multimeter
  - 10-piece screwdriver set
  - Utility knife (3 blades)
  - 2 Needle files – Brush
  - 3-piece soldering aid kit – Wrench
  - Desoldering pump – Solder core
  - 6-piece electronic screwdriver set
  - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	**$139.95**	**$129.95**

JAMECO'S BEST SELLING COMPONENT KITS

Electronic Component Kits
See page 39

JAMECO BenchPro

52-Piece Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
  - 7 pliers
  - Storage box
  - Wrench
  - 3-piece soldering aid kit
  - Soldering iron with stand and sponge
  - 10-piece screwdriver set – Desolder wick
  - Brush – Crimping tool
  - 6-piece screwdriver set – Oil can
  - Desolder pump – 5-piece file set
  - Testing screwdriver – Alignment tool
  - IC extractor – Flashlight
  - 7-piece hex set – 3-prong holder
  - 6-piece wrench set – Hammer
  - PVC insulated tape – Scissors
  - Solder core – Part tube
  - Heat sink – Utility knife (3 blades)
  - Measuring tape – Tweezers
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H
- Weight: 16.0 lbs.

Part No.	Description	1	5
218245	52-piece tool kit	**$179.95**	**$169.95**

★*For Tool Kits — Enter Web Code CAA*

JAMECO BenchPro

Aluminum Tool Case

Made of lightweight aluminum, this tool case is designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"H

Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom

Part No.	Description	1	5
261877	Tool/equipment caseℛ	**$49.95**	**$44.95**

Test/Tools

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Tool Kits, Wire Cutters & Strippers

116-Piece Tech Service Tool Kit

★ Web Code: CAA

- Kit includes:
  - Storage box
  - 8 pliers
  - Tweezers
  - Spring hook
  - 3-piece soldering aid kit
  - Desoldering pump
  - 3-piece alignment tool set
  - Diagonal cutter
  - Soldering iron
  - Forceps
  - 9-piece screwdriver set
  - Wire stripper
  - 5-piece file set
  - Flashlight
  - 3-prong holder
  - PVC insulated tape
  - Heat sink
  - Measuring tape
  - Drill
  - Desoldering wick
  - Brush
  - Crimping tool
  - Extractor
  - 7-piece hex key set
  - Hammer
  - Solder core
  - Wrist strap
  - Inspection Mirror
  - 6-piece electronic screwdriver set
  - 40-piece socket & screwdriver set
  - 10-piece electronic wrench set
- Size: 18.5"L x 13.8"W x 6.7"H
- Weight: 22.8 lbs.

Part No.	Description	1	5
149024	116-piece tool kit	**$295.95**	**$269.95**

100-Piece Professional Electronics Tool Kit

- Kit includes:
  - Soldering iron
  - 12 screwdrivers
  - 7-piece hex key set
  - Extractor
  - 4 Pliers
  - Adjustable wrench
  - Crimper/Stripper
  - 6-piece screwdriver set
  - 3-piece soldering aid kit
  - Flashlight
  - Desoldering pump
  - Multimeter
  - Tweezers
  - 5-piece file set
  - 10-piece wrench set
  - Voltage tester
  - 2 bottles cleaning liquid
  - Blade cutters
  - Vise
  - Brush
  - Soldering stand
  - Solder pen
  - Cutters
  - Storage box
  - Tape
  - Wrist strap
  - Vacuum cleaner
  - Scissors
  - Cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H
- Weight: 20 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	**$149.95**	**$134.95**

Electronic Starter Kit see page 132

135-Pc. Engineer's Service Tool Kit

- Kit includes:
  - Crimper
  - Wire stripper
  - Soldering iron & kit
  - Desoldering pump
  - Multimeter
  - Measuring tape
  - Needle file set
  - Screwdriver with 8 tips
  - Precision screwdriver set
  - 52-piece socket set
  - 11-piece wrench set
  - 13-piece knife set
  - Carrying case
  - Tweezers
  - Scissors
  - Spring hook
  - Folding wrench

Part No.	Mfr. Part No.	Price
2129932	GTK-940A	**$219.95**

95-Piece Pro-Tech Tool Kit

NEW
MARKED IN PINK

- Kit includes:
  - Navy blue storage box
  - 7-piece hex key set
  - 5-piece needle file set
  - 10-piece wrench set
  - 8 different pliers
  - 6-piece precision screwdriver set
  - Plastic fliptop box
  - 29-pc. socket wrench set
  - Hammer
  - Inspecting mirror
  - Tape measure
  - Wire stripper/crimper
  - Digital multimeter
  - Lead-free solder core
  - 30W soldering iron
  - Cleaning brushes
  - Aluminum flashlight
  - Cushion grip screwdrivers
  - Mini drill with drill bits
  - Mini hobby vise
- Size: 18.4"L x 13.4"W x 6.4"H

Part No.	Mfr. Part No.	1	5
2153756	GTK-750A	**$225.95**	**$215.95**

Automatic Wire Strippers

- Spring loaded handle
- Weight: 0.8 oz.
- Provide a clean strip without damaging conductor

2112284

175098

Includes:
Wire stopper for desired strip length

Part No.	Description	Size (L" x W")	1	5	25
2112284	10-24 AWGℛ	6.8 x 3.2	**$8.95**	**$7.95**	**$6.95**
175098	8-22 AWGℛ	7.0 x 3.5	**16.95**	**15.49**	**13.95**

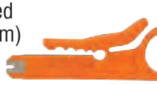
Heavy Duty Scissors

- Spring loaded handle
- Blade lock for safe storage
- Ergonomic handle
- Stainless steel tongs
- Suitable for fiber optic cable
- Size: 7.1"L x 2.1"W

Part No.	Description	1	5
2112313	Heavy duty scissorsℛ	**$2.49**	**$1.95**

UTP/STP Wire Stripper

- Quickly strips insulation without damaging wire
- Strips shielded and unshielded
- Strip 24 to 3 AWG (.5 - 6.2mm)
- Twisted pair cable
- Size: 3.5"L x 1.25"W



Part No.	Description	1	5	25
2112292	UTP/STP stripperℛ	**$2.95**	**$2.49**	**$1.95**

Rotary Coax Cable Strippers

2 and 3 Blade

159119

159119 (3 Blade):
2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W
- Color: black

159185

159185 (2 Blades):
4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W
- Color: gray

Includes: Hex key wrench for adjusting blade

Part No.	Mfr. Part No.	1	5	25
159119	HT312B (3 blade)ℛ	**$8.95**	**$7.95**	**$6.95**
159185	HT332D (2 blade)	**12.95**	**11.95**	**10.95**

★ Wrenches — Enter Web Code WEL

Flat Cable Cutter

- Spring loaded handle
- Blade lock for safe storage
- Provides clean cut
- Size: 6.5" L x 2.0"W
- Weight: 5.6 oz.

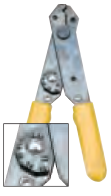
Part No.	Description	1	5
2112241	Flat cable cutterℛ	**$2.49**	**$1.95**

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78992: 10-30 AWG (screw adjustable)
215889: 10-24 AWG (dial to adjust for wire gauge)

78992

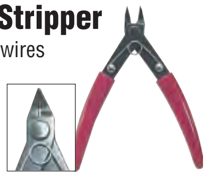


215889

Part No.	Product No.	1	5	25	100
78992	HT108ℛ	**$4.49**	**$3.95**	**$3.49**	**$2.95**
215889	JE-2022Cℛ	**4.49**	**3.95**	**3.69**	**3.29**

★ Cutters/Strippers — Enter Web Code BAK

5" Wire Cutter/Stripper



- Strips and cuts 20-24 AWG wires
- Spring loaded for easy use
- Cutter angled at 45° for use in tight places
- Insulated grips
- Size: 5.0"L x 3.0"W

Part No.	Mfr. Part No.	1	5	25	100
159274	HT1091ℛ	**$4.95**	**$4.49**	**$3.95**	**$3.49**

6" Wire Cutter/Strippers

- Plier nose
- Cushioned grips
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W
- Color: yellow

161200/161218

161200: Premium
- 12-20 AWG stranded; 10-18 AWG solid

161218: Standard
- 16-26 AWG stranded; 14-24 AWG solid

Part No.	Mfr. Part No.	1	5
161200	ID45-120ℛ	**$14.95**	**$13.95**
161218	ID45-121ℛ	**14.95**	**13.95**

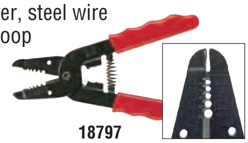
6.6" Wire Stripper

- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W

Part No.	Mfr. Part No.	1	5	25
159291	HT5023ℛ	**$9.95**	**$8.95**	**$7.95**

7-in-1 Wire-Handling Tools

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W

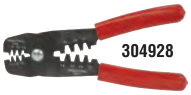


18797

Part No.	Mfr. Part No.	Description	1	5	25
18797	HT1041ℛ	10-18 AWG	**$5.95**	**$5.49**	**$4.95**
127862	HT1042ℛ	16-26 AWG	**5.95**	**5.49**	**4.95**
127871	HT1043ℛ	22-30 AWG	**6.95**	**6.49**	**5.95**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Hand Tools for Mini-Fit™ Jr.


304928

304936

304928: Accepts wire range from 14-24 AWG

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	**$49.95**	**$44.95**
304936	11-03-0044	Extraction tool	**19.95**	**18.95**

Metal Modular Connector Crimping Tool

Crimps 6P and 8P Plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)

- Cable stripper/wire cutter
- Size: 8.0"L
- Weight: 1.8 lbs.

Part No.	Description	1	5	25
114527	RJ11/RJ45ℛ	**$19.95**	**$18.95**	**$16.95**

Ratcheted Modular Connector Crimping Tool

Crimps RJ45 (8P8C) and RJ11/12 (6P6C)

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Weight: 0.7 lbs.

Part No.	Description	1	5	25
159312	RJ45/11/12ℛ	**$22.95**	**$19.95**	**$17.95**

Modular Cut/Crimp/Strip Tools

For RJ11 (6P) and RJ45 (8P) Modular Plugs

174676

- Repeatable crimp action for consistent high-quality connections

Includes: Cut and strip blade

174684: • Size: 8.0"L x 2.0"W • Weight: 0.8 lbs.

174676: • Size: 8.5"L x 2.2"W • Weight: 1.2 lbs.

Part No.	Mfr.	Product No.	1	5
174684	BenchPro	TTK071	**$19.95**	**$17.95**
174676	BenchPro	TTK070	**25.95**	**23.95**

★*Crimping Tools Online — Enter Web Code GBU*

Ratcheted BNC Crimping Tool

Crimps RG58, RG59, RG62, RG174 and Fiber Optic

- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255" • All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.

Part No.	Mfr. Part No.	1	5	25
114535	HT-336Gℛ	**$22.95**	**$19.95**	**$17.95**

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- With cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W

Part No.	Mfr. Part No.	1	5	25
99443	HT202Aℛ	**$8.95**	**$7.95**	**$6.95**

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377, 43369 pg 60 and 100766, pg 66
- Size: 7.0"L x 4.0"W • Weight: 9 oz.

Part No.	Mfr. Part No.	1	5	25
159266	HT213ℛ	**$11.95**	**$10.95**	**$9.95**

Cut/Crimp/Strip Tool

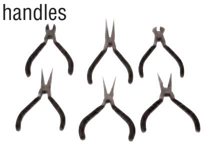
10-22 AWG (0.75-6mm)

NEW MARKED IN PINK

- Detailed wire gauge and screw size markings
- Ignition terminals
- Ergonomic grip
- Size: 8.5"L x 3.0"W

Part No.	Mfr. Part No.	1	5	25
2153078	GRK-42N	**$9.95**	**$8.95**	**$7.95**

6-Pc. Steel Mini Plier & Cutter Set



- Spring return • Insulated handles

Includes:
(1) 4.5"L diagonal cutting
(1) 4.5"L end cutting plier
(1) 5"L long nose plier
(1) 5"L flat nose plier
(1) 5"L bent nose plier (1) 5.75"L needle nose plier

Part No.	Description	Wt. (lbs.)	1	5
2120321	6-pcs setℛ	0.7	**$7.95**	**$7.25**

Half-Round Long Nose Pliers

- Drop forged steel
- Heat treated
- Spring return action • Vinyl grips
- Length: 4.5" • Knurled jaws

Part No.	Description	1	5	25
177608	Half-round pliersℛ	**$4.95**	**$4.49**	**$3.95**

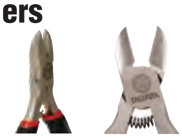
Precision 5-Piece Stainless Steel Pliers Set

- Spring return • Insulated handles

Includes: One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	5	25
73121	5-piece setℛ	0.6 ...	**$18.95**	**$17.95**	**$15.95**

Cutting Pliers


179902 2123320

- Side and flush cutting

179902: • Forged steel
- Cushion grip

2123320:
- Carbon steel • Vinyl grip

Part No.	Description	1	10	50
179902	4" leaf springℛ	**$3.95**	**$3.59**	**$3.29**
2123320	4.5" spring returnℛ	**4.95**	**4.49**	**3.95**

5.3" Flat and Half-Round Long Nose Pliers

35474

- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose
- Knurled jaws

Part No.	Description	1	10	50	250
35474	Flat long noseℛ	**$4.95**	**$4.49**	**$3.95**	**$3.49**
35491	Half roundℛ	**4.95**	**4.49**	**3.95**	**3.49**

Diagonal Wire Cutters

35482 161411

- Jaws are designed for flush cutting
- Cuts component wire up to 1.2mm thick
- 0.5" cutting blade

35482: 4.3" Cutter
- Stainless steel
- Durable rubber handles

161411: 5" Cutter
- Cuts 0.08mm fine wire • Insulated handles

★*Web Code: BAK*

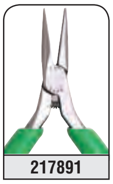
Part No.	Size	1	5	25
35482	4.3"L x 2.1"Wℛ	**$6.95**	**$6.49**	**$5.95**
161411	5.0"L x 1.8"W	**6.95**	**6.49**	**5.95**

General Purpose Pliers and Cutters

Xcelite

Needle Nose, Diagonal Pliers and Cutters

- Cushion grips • General purpose use • Positive gripping of wire & subminiature components
- Narrow and fine tips provide increased clearance and allows use in restricted areas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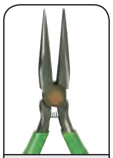
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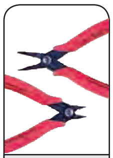
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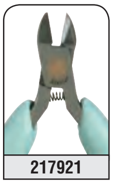
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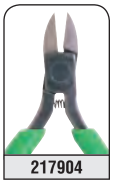
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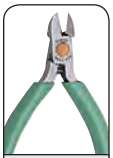
217867


146739

146712

Needle Nose Pliers

Part No.	Mfr. Part No.	Description	1	5
217891	L4ℛ	4" mini needle nose	**$17.95**	**$16.95**
217998	LN54Gℛ	5" thin long nose ...	**18.95**	**17.49**
146721	NN7776Vℛ	5" long nose flat	**19.95**	**18.95**

Shearcutter Pliers Set

Part No.	Mfr. Part No.	Description	1	5
152055	S2Kℛ	5.6" plier/5.2" cutter	**$16.95**	**$15.95**

★*Pliers Online — Enter Web Code XPC*

Diagonal Cutters

Part No.	Mfr. Part No.	Description	1	5
217921	MS54Jℛ	4" oval head-flush	**$19.95**	**$17.95**
1536974	S475NJSℛ	4" relieved head-flush	**18.95**	**17.95**
217904	MS549Jℛ	4" tapered head-flush	**18.95**	**17.95**
217867	MS545Jℛ	4" slim-line tapered-flush	**17.95**	**16.95**
146739	MS54Vℛ	4" diagonal semi-flush	**17.95**	**16.95**

Micro Series Wire Cutter

Part No.	Mfr. Part No.	Description	1	5
146712	170Mℛ	6" cutter flush	**$6.95**	**$6.49**

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Pliers, Cutters, Drill Bits, Mini-Drill & Stand

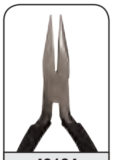
EXIMCORP

Pliers and Cutters

Diagonal, Needle Nose, Nipper, Square, Bent Nose, Sportsmen & Electrician Pliers

- General purpose for picking-up, cutting and wire forming
- Forged steel • Heat treated • Insulated grips • Blister packaged

34658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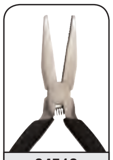
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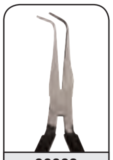
94562


98993

104125

Diagonal Flush Cutters

Part No.	Description	1	5	25
34658	5.25" heavy duty*	$3.95	$3.49	$2.95

Needle Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
42104	5.25" standard*	$5.95	$5.49	$4.95

Needle Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34712	5.25" spring loaded*	$5.49	$4.95	$4.49

Bent Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
34796	5" standard bend*	$2.95	$2.69	$2.39
34826	6" slim spring loaded	2.49	1.95	1.49

Bent Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34746	5.25" standard bend	$2.39	$2.09	$1.95
34762	7" standard bend*	3.95	3.49	2.95

* Part of kit 2100161, below

Square Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
94512	5.5" standard w/o cutter	$2.95	$2.49	$1.95
94530	4.75" spring loaded w/ cutter	1.95	1.75	1.49
94546	6" standard straight*	3.95	3.49	2.95

Nipper Nose Pliers Spring Loaded

Part No.	Description	1	5	25
94554	4.25" standard*	$2.95	$2.69	$2.39
94562	5.25" slim	2.95	2.49	1.95

Sportsmen's Square Straight & Bent Nose Pliers

Part No.	Description	1	5	25
98976	6.25" standard straight	$2.95	$2.49	$1.95
104257	8" standard straight*	3.95	3.69	3.39
98985	5.25" standard bent	3.95	3.49	2.95
98993	7.5" standard bent*	4.95	4.49	3.95

Electrician's Pliers with Serrated Jaws

Part No.	Description	1	5	25
104125	6.25" standard w/ cutter*	$4.95	$4.49	$3.95
104249	8.25" standard w/ cutter	3.95	3.49	2.95

* Part of kit 2100161, below left

10-Piece Pliers & Cutters Tool Kit

EXIMCORP

Ten (10) most popular tools in a kit. See (*) above

- 1 each

Part No.	Description	1	5	25
2100161	10 pliers and cutters	$29.95	$26.95	$23.95

★ *Pliers Online — Enter Web Code XPC*

JAMECO BenchPro

PC Board Drill Bits

- Shaft diameter: 0.125"
- Use for drilling holes in glass PC boards

Part No.	Size	Diameter	1	10	100
1919537	1/8	0.125"	$1.49	$1.25	$.95
1919588	31	0.120"	1.49	1.25	.95
1919300	32	0.116"	1.49	1.25	.95
1919609	33	0.113"	1.49	1.25	.95
1919553	35	0.110"	1.49	1.25	.95
1919570	38	0.102"	1.49	1.25	.95
1919502	45	0.082"	1.49	1.25	.95
16580	59	0.040"	2.49	2.25	1.95
16619	75	0.021"	2.49	2.25	1.95

20 ASSORTED DRILL BIT GRAB BAG

P/N 2082038

See page 40

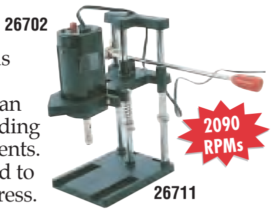
ONLY $19.95

★ *Cutters/Strippers Online — Enter Web Code BAK*

JAMECO BenchPro

Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	$37.95	$34.95	$31.95
26711	GTT-104 stand	1.8	27.95	25.95	23.95

JAMECO BenchPro

34-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829	32-piece security bit set	$11.95	$10.95

JAMECO BenchPro

Variable High-Speed Rotary Tool Kit

- Speed: 6000~32000rpm
- Motor power: 130W
- Collet capacity: 3.2mm
- 28 pcs. sanding/ grinding bit set
- Case included, 2.2 lbs.
- Variable speed selector

Part No.	Description	1	5
2118977	Variable rotary tool kit	$34.95	$29.95

JAMECO BenchPro

Pocket Screwdriver

Phillips & Flat head

★ *Web Code: CAQ*

- Pen clip for pocket storage

Part No.	Description	1	10	100
127271	6"L pocket screwdriver	$1.95	$1.59	$1.39

High-Speed Steel Step Drill Bit

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

- Shank size: 3/8" • 2.4" long

JAMECO BenchPro

Part No.	Description	1	10	50
229657	3/16" – 7/8" 13-step	$14.95	$13.49	$11.95

★ *Drill Bits Online — Enter Web Code NEJ*

JAMECO BenchPro

Mini-Drill Bit Kit

This kit is excellent for drilling through circuit and protoboards precisely.

- Mini drill (26702)
- Mini drill stand (26711)
- Drill bit sizes 45 & 59 (1919502/16580)

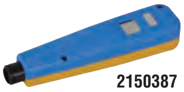
Part No.	Description	Price
2113252	Mini-drill bit kit	$54.95

Impact Punch-Down Tool and Blades

★ *Web Code: PBC*

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade
- Can be used with both 110 blade (P/N 175089) and 66 blade (P/N 324021)

JAMECO BenchPro

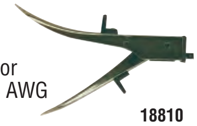

2150387

175089

324021

Part No.	Description	1	5
2150387	Impact tool w/o blades	$19.95	$17.95
175089	Punch-down blade 110	9.95	8.95
324021	Punch-down blade 66ℛ	7.95	6.95

Nibbling Tool


18810

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum 0.375" hole required • Size: 7.8"L

Part No.	Mfr. Part No.	Description	1	10
18810	HT204	Nibbling toolℛ	$7.95	$6.95
29331	HT204B	Replacement bitℛ	3.49	2.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Screwdrivers, Calipers & Miscellaneous Tools

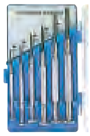
Ball-End, Hex Key, Nut Driver & Screwdriver Sets

Bondhus/Felo Products: Inferior tools cost extra money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location, or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place. Get it right the first time around with these reliable tools.

- Material: Protanium high torque steel
- Ball-end inserts quickly into screw head up to 25 degrees
- Ergonomically designed anti-roll handle
- Delivers perfect balance between tip strength and working angle
- Bondhus: Made in USA; Felo: Made in Germany
- Lifetime warranty

★Web Code: CAQ

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted – 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	$2.95	$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 – 1/16", 5/64", 3/32", #1 – 1/8", 9/64")	2.95	2.59
99451	BenchPro	6-pc. long neck screwdriver set (slotted – (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips – #00 x 6 5/8"L, #0 x 7 5/8"L, #1 x 9 5/8")	10.95	9.95
99565	BenchPro	6-pc. screwdriver & plier set (slotted – (Dia. x L) 0.09" x 7 5/8", 0312 x 9 1/2", Phillips – #2 0.09" x 7 5/8", #0 0.12" x 9 1/2", pliers – micro nipper cutter, micro flat nose pliers)	11.95	10.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx – T5, T6, torx hex – T7, T8, T9, T10)	13.95	11.95
2096229	Felo	6-pc. screwdriver set (slotted – 9/64"; 5/32"; 7/32"; 1/4"; Phillips – #1; #2)	36.95	33.95
261999	BenchPro	7-pc. 1000V insulated magnetic screwdriver set (slotted – 2.5mm)	12.95	11.49
2119005	BenchPro	8-pc. ratcheting screwdriver bit set (3-slotted, 3 philips, 1 square)	2.95	2.75
2125077	BenchProℛ	8-pc. ratcheting screwdriver bit set (3-slotted, 3 philips, 1 square) 10 pack	22.95	19.95
2096350	Bondhus	8-pc. ball-end screwdriver set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32")	21.95	19.95
226094	BenchProℛ	11-pc. magnetic AWL prec. screwdriver set (slotted – .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips – #00, #0, #1)	3.95	2.95
2096173	Bondhus	12-pc. ball-end hex key set (.05"; 1/16"; 5/64";3/32"; 7/64"; 1/8"; 9/64"; 5/32"; 3/16"; 7/32"; 1/4", 5/16"	13.95	12.49
2153060	BenchPro	14-pc. mini screwdriver set with leather pouch and 12 flathead, phillips, and Torx bits	12.95	11.95


34041

99451

99565

226106

2096229

261999

2119005

2096350

226094

2096173

2153060

Automatic Center-Punch Tool

Adjustable

- Precision instrument
- Alloy steel point
- Knurled steel body
- Size: 5.0"L x 0.5"Dia.

Part No.	Description	1	10
160282	Center punch tool	$6.95	$6.49

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	100
72768	13 blade knife set	$8.95	$7.95	$6.95

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10
151750	T-handle reamerℛ	$7.95	$6.95

30 AWG Wire Wrap/Strip Tool

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation.

- Provides modified wrap for 30 gauge Kynar wire (pg 50)
- Knurled handle for easy grip
- 5" long
- Wire stripper stored in handle

NEW MARKED IN PINK

Part No.	Description	1	5
2150361	Modified wrap tool	$19.95	$17.95

Strip-Wrap-Unwrap Tools

34585

★Web Code: BBC

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 50 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections
- 4.5" long

Part No.	Product No.	1	5
34585	HSM30 (Modified)	$29.95	$27.95
236785	HSR30 (Regular)	29.95	27.95

1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in 0.05" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W; 0.5"-1.5"

Part No.	Description	Size (L" x W")	1	10
106884	1/4W & 1/2W	5.4 x 1.5	$4.95	$4.49

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Material: durable plastic
- Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightenerℛ	$7.95	$6.95	$5.95

6" & 12" Stainless Steel Rulers

Tough and durable for on-site measurements

NEW MARKED IN PINK

2153131

- Etched markings in centimeters and inches
- Conversion table from inches to millimeters

Part No.	Mfr. Part No.	Length	1	10	100
2153107	GMT-106ℛ	6"	$1.95	$1.75	$1.49
2153131	GMT-112ℛ	12"	3.49	3.29	2.95

Metal Dial Caliper

Measures in inches

- Measures outside, inside & depth
- Accurate measurements every time
- Easy-to-read dial gauge
- Materials: metal
- Color: silver
- Length: 6" (150mm)

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5	25
116126	Inches (.001 inch)	$26.95	$24.95	$22.95

Digital Display Calipers

Metric and Inches

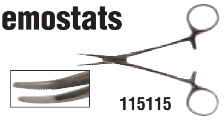
- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- One-year warranty

★Web Code: PAQ

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 129)

Part No.	Description	1	5
127482	Measures 6" (150mm)	$39.95	$36.95
2153545	Measures 8" (203mm)	45.95	42.95

5" Steel Hemostats


115115

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10	100
115107	HEMO1	Straight	$3.95	$2.95	$2.49
115115	HEMO2	Curved	3.95	2.95	2.49

24" Joubert Bungee Cord

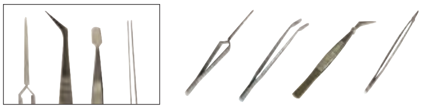
- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Braided jacket cover
- Stretches easily to 48"

Part No.	Product No.	1	10	100
2081668	JBC24	$.69	$.59	$.49

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Tweezers, Magnifying Lamps & Anti-Static Products

4-Piece Steel Tweezer Set

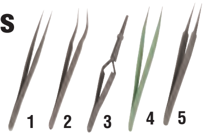


- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components

Part No.	Description	1	10	100
10735	4-piece tweezer set	$5.95	$5.49	$4.95

***Tweezers Online — Enter Web Code FAA**

Tweezers



252929: Straight round, fine-point tip, stainless steel
253092: Curved fine-point tip
252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
253113: Fine-point tip, insulated, anti-static
252912: Straight fine-point tip, tapered

Part No.	Length	Photo	1	10	25
252929	4.75"	1	$2.95	$2.49	$1.95
253092	4.6"ℛ	2	2.95	2.49	1.95
252938	4.6"ℛ	3	2.95	2.49	1.95
253113	4.75"ℛ	4	2.95	2.49	1.95
252912	4.75"ℛ	5	2.95	2.49	1.95

4-Pc. Conductive SMD Tweezer Set

- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip • Each is 4.5" long

Part No.	Description	1	10
172638	4-piece tweezer set	$9.95	$8.95

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

- Size: 2.9"L x 0.6"W
- One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45˚ angle tips

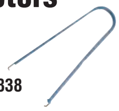
Part No.	Description	1	5
88268	Vacuum pick & place kit	$49.95	$44.95

PLCC & DIP IC Extractors

- Size: 4.0"L x 2.0"W

***Web Code: MAB**

16766


16838

Part No.	Manufacturer	Description	1	10	100
16766	Velleman	PLCC	$3.95	$3.49	$2.95
16838	BenchPro	DIP	1.65	1.49	1.25

Anti-Static Wrist Straps

34552

- Comfortable, adjustable black Velcro wrist strap
- The coiled grounding cord has banana plug and alligator clips
- Extended cord: 9' long

Includes: 1MΩ resistor for added safety

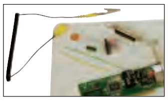
Part No.	Color	1	10	100
34552	Black/yellowℛ	$6.95	$6.49	$5.95
2138581	Blueℛ	5.95	5.49	4.95

Anti-Static Heel Strap

- Discharges static without restricting your mobility
- Ground strap length: 15.5"L

Part No.	Description	1	10	100
100328	Heel strapℛ	$5.95	$5.49	$4.95

Anti-Static Work Mats


236541

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10576	11.3" x 22"ℛ	0.7	$8.95	$7.95	$6.95
10584	19.5" x 23.5"ℛ	1.1	13.95	12.49	10.95
2130853	19.7" x 23.6"ℛ	1.1	13.95	12.95	11.95
236541	23.5" x 27.5"ℛ	1.4	25.95	22.95	19.95

***Anti-Static Online — Enter Web Code XAA**

Field Service Static Kit

This mat folds easily to fit into a field service bag.

- 4 pocket for ESD safe storage
- 10' ground strap and 6' wrist strap share on one ground point
- Size: 2' x 3'

Part No.	Mfr. Part No.	1	5	25
2113720	8PK-AS07-1ℛ	$15.95	$14.95	$13.95

Conductive Anti-Static Bags and Foam

13864

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24"L x 12"W x 0.25"H

✳ **Order in multiples of 10**

Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	✳	$.15	$.10
249527	5" x 7" anti-static bags	✳	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops

29524 (ICs not included)

29583

29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs
29524: .600" rail fits 24, 28, 36 and 40-pin ICs
29583: Rubber stops used to plug plastic rail ends

✳ **Order in multiples of 10**

Part No.	Cross Ref.	Description	1	10	100
29516	RIC20	.300"W rail	$.25	$.22	$.19
29524	RIC220	.600"W rail	.29	.25	.19
29583	RRS	Rubber stop	✳	.07	.05

Clip-On Reading Light

Two bright LEDs spread the light evenly over the entire reading area.

- Overall length: 6"
- Lightweight and portable
- Flexible neck • Adjustable light angle
- Uses 2 CR2025 coin batteries (included)

Part No.	Description	1	5	25
2120508	Clip-on LED light	$3.95	$3.49	$2.95

Standard Adjustable 3 Diopter Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3 diopter lens • Weight: 2.9 lbs.

Part No.	Description	1	5
22710	Magnifying lamp	$26.95	$23.59

3 Diopter, 3-Bulb Magnifying Lamp

- Three 9-watt flourescent compact bulbs included
- Adjustable 3 diopter lens
- 7" x 4.5" rectangular lens
- 47" long arm • 2 on/off buttons
- Color: beige • Weight: 7.6 lbs. • UL listed

Part No.	Description	1	5
217517	Adj. magnifying lamp	$89.95	$84.95

KLIP-ON Deluxe 3 Diopter Magnifying Lamps

1955052

- High quality 3.5" Dia. glass lens w/ dust cover • 3 diopter lens
- Heavy duty 2" spring loaded clamp
- Super bright 13 watt fluorescent bulb (6400 Kelvin) included • Weight: 2.0 lbs.
- 16" gooseneck-directs light in any directions

Part No.	Cross Ref. No.	Color	1	5
1955044	LUX250W	White	$26.95	$23.95
1955052	LUX250B	Black	26.95	23.95

Precision 5 Diopter Magnifying Lamp

- 40" arm extension • 5 diopter lens
- 5" diameter lens • Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	5
197456	Magnifying lampℛ	$89.95	$79.95

3 Diopter Magnifying Lamps

- 5" diameter lens • 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz • 3 diopter lens

Part No.	Color	Wt. (lbs.)	1	5
100829	Black	7.3	$59.95	$54.95
149981	White	7.3	59.95	54.95

3 Diopter Magnifying Lamp

With Measurement Marking Base

- 30" arm extension
- 7" 3 diopter lens
- Adjustable plastic lens cover
- Weighted base for desktop use
- Bulb type: 4 x 3.4W LED included
- On/off switch

Part No.	Description	Wt. (lbs.)	1	5
2120330	LUX-400ℛ	21.0	$129.95	$116.95

***Magnifying Lamps Online — Enter Web Code DAW**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Magnifiers, Heat Guns & Soldering Equipment

General Purpose Illuminated 3X Magnifier

★Web Code: DAW

- 3.5"Dia. x 7.5"L
- 90mm diameter lens
- Great for magnifying fine print
- Light requires 2 AA batteries (not included, recommend P/N 198707, pg 129)

Part No.	Description	1	5
149542	Illuminated magnifier	$4.95	$4.49

3 Diopter Flexible Neck Magnifier

★Web Code: DAW

- 3.5" diameter
- 3 diopter lens
- Flexible gooseneck with workbench clamp
- Arm length: 20"
- Weight: 1.8 lbs.

Part No.	Description	1	5
239548	Flexible neck magnifier	$11.95	$10.95

Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W

Part No.	Description	1	5	25
72696	Glue gun	$7.95	$7.29	$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

Magna-Lite Butane Table-Top Torch

- Flame temperature: 2500˚F (1371˚C)
- Waterproof piezo ignition
- Adjustable flame control
- Refills in 20 seconds with standard butane gas
- Run time: 60 minutes (@ middle flame setting)
- Child-resistant ignition for safety
- Uses: brazing, soldering, heat shrink tubing, industrial maintenance

Part No.	Mfr. Part No.	1	5
1943001	ML200	$29.95	$26.95
2097491	5 1/8 oz. butaneℛ	5.49	4.95

18-Watt Pro Series Soldering Iron

NEW MARKED IN PINK

- Heats up to working temperature in just 35 seconds
- Up to 900°F temperature
- Performance equivalent to a 60-watt iron
- Co-molded grip for a comfortable feel
- Designed be self-standing, no stand is needed
- Tips use a phono jack and plug for easy tip exchange
- UL and CUL listed
- Ideal for hobbies, kits, radios, and electronics

Includes: Charger and WPS10 soldering tip

Part No.	Mfr. Part No.	1	5
2153810	WPS18MP	$31.95	$29.95

★Soldering Irons — Enter Web Code QAS

For additional DIY Kits, see page 176

Heat Guns and Strippers

All Master® products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

2117413

254925

76865

2076578: • CFM selectable • Weight: 1.0 lb. • Includes 4 attachments & case

2076501: • No-slip adjustable stand • Weight: 4.0 lbs.

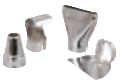
191943: • 3-pos. switch (hot/off/cool)

★Web Code: QAJ

2076578

2076501

191943



2007062

Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (˚F)	Temp. (˚F max.)	1	5
2117413	NTE	HG300-Dℛ	Mini heat gun	350	482-662	662	$21.95	$20.95
254925	BenchPro	1001Aℛ	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	47.95	42.95
2076578	Master	EC-100Kℛ	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	54.95	51.95
2076501	Master	HG-501Aℛ	Industrial heat gun (23 CFM)	1680	750	750	119.95	109.95
191943	Weller	6996Cℛ	Industrial heat gun	250	750-800	800	149.95	139.95
2007062	BenchPro	1004ℛ	Tool kit for 254925	—	—	—	10.95	9.95

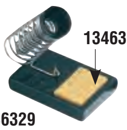
Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower • Length: 8.5"
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Mfr. Part No.	1	5
645520	GASIRON2	$29.95	$26.95

16 to 30-Watt Variable Soldering Iron & Stand

116572



134631

36329

116572: Length: 7.5"

36329:

- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.

Includes: Sponge

Part No.	Description	1	5	25
116572	258VL soldering ironℛ	$19.95	$17.95	$15.95
36329	Soldering standℛ	4.95	4.45	3.95
134631	Sponge (for P/N 36329)	2.95	2.59	2.29

25-Watt Thermally Balanced Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 150)
- UL listed
- Length: 8.0"
- One-year warranty

Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5	25
129040	200GX-25Wℛ	$15.95	$13.95	$11.95

Legacy Replacement Sponge

236460

- Use with XY9-60 & 968D

Part No.	Mfr. Part No.	Size (in.)	1	5
134631	SP715	1.7 x 1.7	$2.95	$2.59
134640	SP815Rℛ	1.8 x 1.8	1.95	1.75
236460	78-744615ℛ	1.8 x 2.9	2.95	2.59

40-60-Watt High-Performance, Economical Soldering Irons

High-quality soldering irons that are suitable for both professional & do-it-yourself applications.

- Iron length: 9"
- 120VAC; 6' cord with 3-prong plug
- High-performance double-wound nichrome heating element
- Flexible, burn-resistant silicon cable

Part No.	Mfr. Part No.	1	5	25
224602	40W soldering ironℛ	$13.95	$12.95	$11.95
195223	60W soldering ironℛ	12.95	11.49	10.49
226018	Conical tip for P/N 224602ℛ	2.95	2.75	2.49
226000	Chisel tip for P/N 224602ℛ	1.95	1.75	1.49
226026	Chisel tip for P/N 195223ℛ	2.95	2.75	2.49

35-Watt SMD Tweezer Iron

168410

168583

- **Max. temp.**: 760˚F
- 120VAC input
- Max. efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.078" tip

Part No.	Description	1	5	25
168410	Tweezer ironℛ	$54.95	$49.95	$44.95
168583	Tip .078"ℛ	9.95	8.95	7.95
168591	Tip .590"ℛ	11.95	10.95	9.95

25 & 35-Watt High-Quality Soldering Irons

170587

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar • Length: 9"

Includes: Power cord & ST3 tip (pg 148)

Part No.	Mfr. Part No.	Description	1	5
170587	WP25ℛ	25W solder iron	$44.95	$39.95
192102	WP35ℛ	35W solder iron	51.95	49.95
146608	ST1ℛ	Screwdriver tip 1/16"	5.95	4.95
146616	ST3ℛ	Screwdriver tip 1/8"	5.95	4.95
192145	ST6ℛ	Screwdriver tip .031"	5.95	4.95
146624	ST7ℛ	Conical tip 1/32"	5.95	4.95

Soldering Equipment

Weller® 25 & 40-Watt Marksman Home Project Kits

Perfect for beginners and hobbyists. Includes stand.

- Stainless steel barrel and heat/impact resistant handle
- Ideal for kits, radios and electronics
- Indicator light shows iron is on

2094143

2094143 Includes: Knife and 2 tips
2094160 Includes: Soldering aid tool, 3 tips & solder

Part No.	Mfr. Part No.	Description	1	5
2094143	SP23LHPKℛ	25W iron kit	**$19.95**	**$18.95**
2094160	SP40LKℛ	40W iron kit	**24.95**	**23.49**

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700˚F tip is 110 seconds
- 120VAC @ 60Hz input
- Length: 6" • Weight: 0.7 lbs.

192081

Includes: CT6F7 (0.375" screwdriver tip; 700˚F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PGℛ	Solder iron	**$64.95**	**$59.95**
192090	CT6F7ℛ	.375" screwdriver tip	**6.95**	**6.29**

Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.		1	5
152207	PSI-100Kℛ		**$89.95**	**$85.95**

Weller® Dual Setting Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850˚F) or 11 watts on high setting (950˚F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries

Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip removal wrench

Part No.	Mfr. Part No.		1	5
1943060	BP860MP		**$23.95**	**$19.95**

30 to 100-Watt Soldering Kit

Includes: • 30W soldering iron
- 100W soldering gun w/ extra tip
- Manual desoldering pump
- Mini third-hand board/ component holder
- Soldering aid tool
- Lead solder
- Size: 13.8"L x 11"W x 3"H

Part No.	Product No.	Wt. (lbs.)	1	5
684596	GSR-600A	4.0	**$38.95**	**$34.95**

WAHL® 25-Watt Cordless Soldering Iron

IsoTip® Power Pro Model #7904

- **900˚F tip temperature**
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron • Weight: 1.1 lbs.

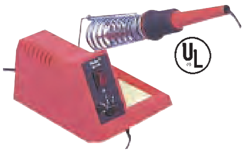
Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	**$69.95**	**$64.95**

***Soldering Irons — Enter Web Code QAS**

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.



Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	1	5
146595	WLC100ℛ	**$54.95**	**$49.95**

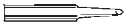
Weller® Soldering Tips

ST Series: Replacement tips for WLC100, WP25, WP30, WP35 soldering irons and stations. Precision ground copper tips plated with iron, nickel and chromium.

ET Series: Replacement tips for PES51 soldering pencil (P/N 2082847). Contains a sensor hole in base of tip fitted with a stainless steel liner.

MT Series: Replacement tips for SP23 and SP23D soldering irons. Solid copper tips, nickel-plated and tinned.

***Web Code: NAB**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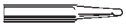
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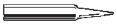
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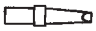
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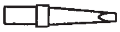
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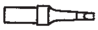
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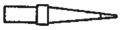

16811

2138003

Part No.	Mfr. P/N	Description	1	5
192145	ST6ℛ	Screwdriver tip 1/32"	**$5.95**	**$4.95**
146608	ST1ℛ	Screwdriver tip 1/16"	**5.95**	**4.95**
2137975	ST2ℛ	Screwdriver tip 1/10"	**4.95**	**3.95**
146616	ST3ℛ	Screwdriver tip 1/8"	**5.95**	**4.95**
146624	ST7ℛ	Conical tip 1/32"	**5.95**	**4.95**
2137983	ST5ℛ	Single flat tip 1/32"	**4.95**	**3.95**
16774	ETAℛ	Screwdriver tip 1/16"	**6.95**	**6.29**
2138020	ETHℛ	Screwdriver tip 1/32"	**6.95**	**5.95**
16782	ETJℛ	Long screwdriver tip 1/32"	**6.95**	**6.29**
2138038	ETKℛ	Long screwdriver tip 1/22"	**5.95**	**4.95**
2138046	ETLℛ	Long screwdriver tip 1/13"	**5.95**	**4.95**
16803	ETRℛ	Narrow screwdriver tip 1/16"	**6.95**	**5.95**
2137991	ETPℛ	Conical tip 1/32"	**6.95**	**5.95**
16811	ETSℛ	Long conical tip 1/64"	**6.95**	**6.29**
2138011	ETOℛ	Long conical tip 1/32"	**6.95**	**5.95**
2138054	MT2ℛ	Screwdriver tip 1/8"	**6.95**	**5.95**
2138003	MT1ℛ	Cone-shape tip 1/8"	**7.95**	**6.95**

Weller® 60-Watt ESD-Safe Soldering Station

- Temperature controllable: 600°F, 700°F,or 800°F
- Closed-loop method of controlling maximum tip temperature to protect sensitive components
- Ferromagnetic temperature sensor, no adjustments necessary
- Quick disconnect plug for soldering iron and lighted on/off switch
- Impact-resistant plastic power unit
- Input: 120VAC @ 60Hz
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Power unit, soldering pencil with PTA7 tip (below), stand and sponge

Part No.	Mfr. P/N	Description	1	5
170552	WTCPTℛ	Solder station	**$169.95**	**$159.95**
192161	TC201Tℛ	Replacement iron	**87.95**	**83.95**
192188	PTA7ℛ	Screwdriver tip 700˚F	**3.95**	**3.49**

***Soldering/Desoldering Stations — Enter Web Code GEJ**

***Soldering Tips — Enter Web Code NAB**

XYTRONIC 45-Watt Lead-Free Digital Soldering Station

Grounded Soldering Tip

- 150°C to 480°C (302°F to 896°F)
- Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 4.1"L x 3.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

156814: Sharp conical chisel tip

156822: Conical chisel tip

Part No.	Mfr. Part No.	Description	1	5
2114685	LF-369Dℛ	45W station	**$54.95**	**$49.95**
156814	XYB01ℛ	1/32" tip	**3.95**	**3.49**
156822	XYB04ℛ	1/16" tip	**4.95**	**4.49**
134631	SP715	Sponge	**2.95**	**2.59**

Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity • Temp. accuracy: ±9.0˚F
- Temperature range: 350˚F to 850˚F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

233533

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	5
217461	WES51ℛ	Analog	**$124.95**	**$119.95**
233533	WESD51ℛ	Digital	**179.95**	**169.95**
2082847	PES51ℛ	Soldering iron	**40.95**	**38.95**
2082783	WCC104ℛ	Replacement sponge	**1.95**	**1.75**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

70 & 80-Watt Lead-Free Soldering Stations

1950711

- Input: 110-120VAC @ 60Hz
- Soldering iron assembly
- Adjustable knob for temperature setting
- Weight: 5.3 lbs.

Includes: soldering station, soldering stand with cleaning pad, soldering iron and manual

1950711: Analog 70-Watt • Size: 8"L x 5.2"W x 3.8"H
- With nichrome heating element & K-type thermocouple sensor
- LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C • Uses model 209 soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)

2099180: Digital 80-Watt
- Temp. accuracy: ±3°C
- Temp range: 200°C to 480°C (392°F to 896°F)
- Size: 4.2"W x 3.6"H x 5.0"D • ESD safe
- Uses 108ESD soldering iron assembly
- Premium-grade ceramic heating element

Part No.	Mfr. Part No.	Description	1	5
1950711	169ℛ	Analog	$84.95	$79.95
2099180	LF-1600ℛ	Digital	89.95	79.95

80-Watt High-Power Stained Glass Soldering Station

- 100-120VAC @ 60Hz or 220-240VAC @ 50Hz
- On/off switch with "power on" indicator light
- Temperature range: 482-923°F (250-500°C)
- Variable power control
- Safety guard iron holder • Cushioned foam grip

Part No.	Mfr. Part No.	1	5
2118467	LT-80ℛ	$44.95	$39.95

Weller 80-Watt Soldering Station

2082775

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature: 350˚F to 900˚F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.

Includes: MTG21 1/4" chisel tip, iron stand, sponge, AC cord and manual

Part No.	Mfr. Part No.	Description	1	5
2082775	WLC200ℛ	Soldering station	$69.95	$65.95
2082821	MTG22ℛ	3/8" cone tip	8.95	8.49
2082783	WCC104ℛ	Sponge	1.95	1.75

Weller 85-Watt Digital Lead-Free Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.

Includes: LTB tip, iron stand, sponge and AC cord

Part No.	Mfr. Part No.	1	5
684772	WD1002ℛ	$339.95	$319.95

★*Soldering/Desoldering Stations — Enter Web Code GEJ*

90-Watt ESD Safe, Lead-Free Soldering Station

- Specially designed for RoHS compliant soldering
- 90 watts, 115VAC/230VAC 50/60Hz
- Temperature set range: 200°C to 450°C (392°F to 842°F)
- Temp. correction range: ±90°C (±99°F)
- Alarm function for sensor circuit breaker and heater circuit breaker
- 20-minute non-usage suspend function
- 32VAC low voltage ceramic heater
- Size: 4.4"W x 6.2"H x 5.4"D • Weight: 7.6 lbs.

Includes: Separate iron holder, tip cleaner, soldering tip and AC cord

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
2099201	LF-2000ℛ	3.1	$135.95	$119.95

90 & 150-Watt ESD Safe, Digital Lead-Free Soldering Stations

- Input: 220-240VAC @ 50Hz, 100-120VAC @ 60Hz
- Aluminum housing
- High-quality sensor and heat transfer technology
- Precise temperature regulation
- Temperature ranges: 100°C to 500°C (212°F to 932°F) for LF-3000; 100°C to 480°C (212°F to 896°F) for LF-3500
- PTC sensor for quick heat-up time
- Size: 4.4"W x 6.2"H x 5.4"D

NEW MARKED IN PINK

Includes: Separate iron holder with brass tip cleaner, soldering tip and AC cord

Part No.	Mfr. Part No.	Wattage	1	5
2143970	LF-3000ℛ	90W	$144.95	$134.95
2146046	LF-3500ℛ	150W	199.95	184.95

Replacement Sponges for Legacy Model Soldering Stations

134640: For 138-3
134631: For XY-60D, XY-379 & XYT379-C

Part No.	Mfr. Part No.	Size (in.)	1	5	25
134640	SP815ℛ	1.8 x 1.8	$1.95	$1.75	$1.59
134631	SP715	1.7 x 2.1	2.95	2.59	2.29

80-Watt Lead-Free Desoldering Station

- Input voltage: 100-120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Adjustable temperature without changing tips
- Tip temperature accurate to ±3˚C (6˚F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Self-contained diaphragm vacuum pump engineered to provide continuous, maintenance free operation
- Temperature range: 300˚C to 450˚C (572˚F to 842˚F)
- Size: 7.9"W x 9.3"D x 4.5"H • Weight: 13 lbs.

Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr. Part No.	1	5
1919094	LF-6000ℛ	$299.95	$284.95

90-Watt Analog Lead-Free Soldering & Desoldering Station

Soldering/Desoldering Station

Desolder Tip

- Soldering iron: 32VAC output, 90W, 200˚C to 480˚C (400˚F to 900˚F) temperature range with 1.6mm/1/16" tip
- Input voltage: 100 - 120VAC @ 60Hz
- Desoldering iron (DIA80): 32VAC output, 80 watt, 300˚C to 450˚C (570˚F to 850˚F) temperature range, with 1.2mm/0.048" tip
- Temperature stability: ±3˚C (6˚F)
- Pump controlled by a finger actuated thyristor on desoldering iron • Automatic power down after 15 minutes of idle as indicated by pause LED
- Dials for temperature settings on both soldering and desoldering iron
- Analog readout for vacuum pressure
- Self-contained vacuum pump engineered to provide continuous, maintenance free operation
- Zero voltage switching and full grounded design
- Adjustable temperature without changing tips
- Size: 10.8"W x 12.5"D x 4.1"H • Weight: 18 lbs.

Includes: 104A/105A soldering stands, A-2000-1 soldering stand, DIA80 desoldering iron with #44-915412 tip, 210ESD soldering iron with #44-415404 tip, 5pc. 5" high precision tweezers, AX205 5" micro cutting pliers, steel brush/cotton/foam replacement filters, power cable, and instruction manual

Part No.	Mfr. Part No.	1	5
1919107	LF-7000ℛ	$339.95	$319.95
2095509	Desolder tip 1.2mmℛ	8.95	7.95
2095517	Desolder tip 1.5mmℛ	8.95	7.95

100-Watt High-Powered Soldering & Desoldering Station

- Input voltage: 110-120VAC @ 60Hz
- Soldering iron: 32VAC/100W 150˚C to 480˚C (302˚F to 896˚F)
- Desoldering iron: 32VAC/100W 300˚C to 450˚C (572˚F to 842˚F) • Temp. stability: ±3˚C (6˚F)
- Temp. correction range: ±99°C
- Default set temp.: soldering iron -150°C; desoldering iron -300°C • Lead-free
- Pump controlled by a finger actuated thyristor with built-in delayed suction operation (1.5 sec. delay)
- Zero voltage electronic design to protect voltage and current sensitive components
- Energy saver mode after 20 minutes of idle time and auto power down after 40 minutes idle time
- Heater and sensor failed detection and temp. lockout features • Digital temp. readout
- Size: 4.2"W x 3.6"D x 5.0"H • Weight: 28 lbs.

Includes: 307A soldering iron, DIA100 desoldering iron, 105C, 104A & A-2000-1 soldering stand, fume extractor, AX205 micro cutting pliers, 5-piece high precison tweezers, filter and cleaning accessories for desoldering iron, AC power cord and manual

Part No.	Mfr. Part No.	1	5
2099198	LF-8800ℛ	$399.95	$379.95
2095509	Desolder tip 1.2mmℛ	8.95	7.95
2095517	Desolder tip 1.5mmℛ	8.95	7.95

More compatible tips on next page

Test/Tools

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Soldering Equipment, Solder Kits & Tips

80-Watt SMD Rework Stations

2120541

2099219

- Thermocouple sensor for stable temp.
- Rapid heat-up and recovery

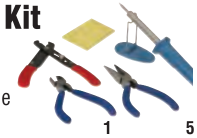
2120541: • Size: 7.4"L x 5.0"W x 3.3"H • Wt.: 2.6 lbs.
- Adjustable temperature: 482-842˚F (250-450˚C)

2099219: • Size: 8.8"L x 6.0"W x 4.5"H • Wt.: 6.8 lbs.
- Adjustable temperature: 392-896˚F (200-480˚C)

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	5
2120541	SMD rework tweezer stationℛ	$79.95	$69.95
2099219	Soldering & tweezer combo stationℛ	139.95	129.95
168583	SMD tweezer tip (0.078")ℛ	9.95	8.95
168591	SMD tweezer tip (0.59")ℛ	11.95	10.95
156814	SMD conical tip (1/32")ℛ	3.95	3.49

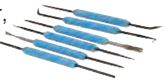
30-Watt Solder Tool Kit



Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters & sponge

Part No.	Description	1	5
358598	7-piece tool soldering kit	$15.95	$13.95

6-Piece Solder Aid Tool Kit



Includes: Various tips: chip holder, spacer, reamer, lever, needle, knife, fork shaft, hook and brush

Part No.	Mfr. Part No.	1	5
2096000	GSR-107	$6.95	$6.25

600-Watt Lead-Free Hot Air SMD Rework Station

262916

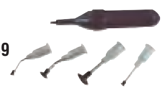
- Incorporates the largest pump in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Airflow capacity: 1.5L - 40L/min.
- 600W nichrome heating element
- Power supply: 100-120VAC @ 60Hz or 220-240VAC @ 50Hz
- Electronically controlled temperature system w/ digital readout in preset and actual temperature
- Hot air temp. range: 100˚C - 480˚C (212˚F - 896˚F)
- 25-watt diaphragm pump • Adjustable air-flow
- Size: 7.3"W x 5.3"H x 9.6"D • Weight: 10.8 lbs.

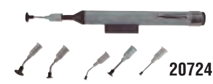
Includes: Extra 600W heater, 4 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC popper for IC extraction

Part No.	Mfr. Part No.	Description	1	5
2128032	LF-852Dℛ	SMD rework	$225.95	$199.95
262916	A1127Bℛ	17.5mm² focus hood	29.95	25.95

★ ***SMD Rework Stations — Enter Web Code NAT***

Vacuum Pen Tools

207239



207247

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	5
207239	Handivac toolℛ (4 tips/cups)	$19.95	$17.95
207247	Pen vac toolℛ (6 tips/cups) ...	39.95	33.95

900-Watt Lead-Free, ESD-Safe Soldering Rework Stations

- 3-in-1 design: soldering, desoldering, and hot air station
- 2 LED displays
- Temperature and air pressure settings
- Temperature-lock feature
- Heater and sensor failure detection
- Input voltage: 100-120/220-240VAC @ 60Hz/50Hz
- Soldering iron temperature range: 302°F - 896°F
- Desoldering iron temperature range: 572°F - 842°F
- Hot Air temperature range: 212°F - 896°F
- Fume extractor air volume: 95/115 CFM
- Weight: 26.5 lbs.

Includes: Soldering iron, desoldering iron, hot-air iron, fume extractor, extra heating element, 2 soldering iron stands, 4 hood tips and 5 tweezers

Part No.	Mfr. Part No.	1	5
2128041	LF-853Dℛ	$599.95	$549.95

Heat Sink & Soldering Aid Kit

100378

100503

100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts

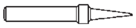
100503 Includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	100
100378	Clip-on heat sink	$.79	$.69	$.59
100503	7-piece soldering kit	7.95	6.95	6.25

Tips & Replacement Parts for XYtronic Soldering and Desoldering Products

★ *Web Code: NAB*

35318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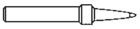
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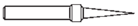
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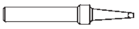
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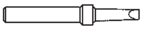
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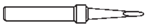
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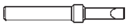
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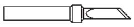
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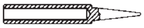
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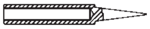
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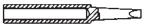
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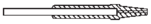
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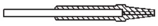
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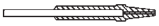
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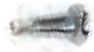
2095509

2095517

2135136

2135144

2135152


2144171

2144163

2144180

2144155

For XYTronic Model Numbers (*Legacy Models)

Part No.	Mfr. P/N	Description	169, 258VL JSI258*	136ESD*, 379* 379-C, LF-1600	168*, 200PHG 200GX, XY960A AESD, DESD 168-3C	960D*	968	999SDA*	LF-1000, LF-6000 LF-7000 LF-8000, 169D	L307A, LF-2000 LF-8800	LF-3500, LF-3000	Pricing 1	10	25
35318	XY48ℛ	Assembly - 60W w/ nichrome heater			✓			✓				$29.95	$27.95	$25.95
35326	XY401ℛ	Soldering tip - conical bevel 1/32"	✓		✓	✓		✓	✓			4.95	4.49	3.95
35078	XY402ℛ	Soldering tip - semi-chisel 1/32"	✓		✓	✓		✓	✓			4.49	3.95	3.59
35334	XY403ℛ	Soldering tip - conical sharp 1/64"	✓		✓	✓		✓	✓			4.49	3.95	3.59
35115	XY404ℛ	Soldering tip - conical chisel 1/16"	✓		✓	✓		✓	✓			4.49	3.95	3.59
35238	XY405ℛ	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓		✓	✓			4.49	3.95	2.95
207335	XY406ℛ	Soldering tip - long conical chisel 3/64"	✓		✓	✓		✓	✓			4.49	3.95	2.95
207351	XY410ℛ	Soldering tip - chisel 3/16"	✓		✓	✓		✓	✓			4.49	3.95	3.59
140231	XY430ℛ	Soldering tip - SMD flat pack 7/32"	✓		✓	✓		✓	✓			5.95	5.49	4.95
156814	XYB01ℛ	Soldering tip - sharp conical chisel 1/32"		✓								3.95	3.49	2.95
207327	XYB03ℛ	Soldering tip - conical sharp 1/64"		✓								5.95	5.49	4.95
156822	XYB04ℛ	Soldering tip - conical sharp 1/16"		✓								4.95	4.49	3.95
207298	XYB05ℛ	Soldering tip - semi-wide chisel 1/8"		✓								4.49	3.95	3.59
127634	XYD10ℛ	Desoldering tip - 1.0mm (.0394")				✓	✓	✓		✓		6.95	5.95	4.95
127642	XYD12ℛ	Desoldering tip - 1.2mm (.0472")				✓	✓	✓		✓		6.95	5.95	4.95
127651	XYD15ℛ	Desoldering tip - 1.5mm (.0586")				✓	✓	✓		✓		6.95	5.95	4.95
2095509	XY12ℛ	Desoldering tip - 1.2mm (.0472")							✓			8.95	7.95	6.95
2095517	XY15ℛ	Desoldering tip - 1.5mm (.0586")					✓	✓	✓			8.95	7.95	6.95
2135136	44-710654ℛ	Soldering tip - conical 0.2mm (.007")								✓		3.95	3.49	2.95
2135144	44-710657ℛ	Soldering tip - 45˚ flat hoof								✓		3.95	3.49	2.95
2135152	44-710662ℛ	Soldering tip - chisel 2.4mm (.094")								✓		3.95	3.49	2.95
2144171	44-413081ℛ	Soldering tip - conical 0.5mm									✓	4.95	4.49	3.95
2144163	44-413072ℛ	Soldering tip - semi-chisel 0.8mm									✓	4.95	4.49	3.95
2144180	44-413071ℛ	Soldering tip - semi-chisel wide 3.2mm									✓	4.95	4.49	3.95
2144155	44-413069ℛ	Soldering tip - flat 1.6mm									✓	4.95	4.49	3.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

Soldering Stands, Pots, Fume Extractors & Accessories

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available

19255:
- UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.

19166: Size: 7.8"L x 0.8"Dia.

1942139: Size: 13.3"L x 1.0"Dia.

19255

19166

1942139

★Web Code: GAS

Part No.	Description	1	5
19255	Electric desolder pumpℛ	$26.95	$23.95
19166	Manual desolder pump	4.95	4.49
1942139	Manual desolder pumpℛ	8.95	7.95
19262	1 tip for 19255	3.95	3.49
22091	2 tips for 19166	5.95	5.39
2146610	1 tip for 1942139	1.95	1.69

11-Piece Soldering Aid Tool Kit

This kit combines all the tools you need in order to begin soldering.

Kit includes:
- Tool case
- 30-watt UL listed soldering iron
- Soldering iron stand
- Heat sink clamp
- Soldering tool
- Solder
- Pliers
- Diagonal cutters
- Small slotted screwdriver with stripper
- Medium slotted screwdriver
- Medium philips screwdriver

JAMECO BenchPro

NEW MARKED IN PINK

Part No.	Product No.	1	5
2132322	GTK-059A	$19.95	$18.95

CHIPQUIK

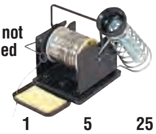
SMD Removal Kit

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5' of CHIPQUIK® material removes 1250-1500 SMD pins

Part No.	Description	1	5
141305	SMD removal kit	$15.95	$14.49

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"


Solder not included

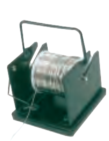
Part No.	Size (L x W x H)	Wt. (lbs.)	1	5	25
169551	6.0" x 3.5" x 3.1"	2.0	$12.95	$11.95	$10.95

★Solder Spool Stand — Enter Web Code YAU

JAMECO BenchPro

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6"


Solder not included

Part No.	Description	Wt. (lbs.)	1	5	25
141761	Solder standℛ	1.6	$11.95	$10.95	$9.95

Soldering Tip Cleaner with Stand

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

156777

Part No.	Description	Wt. (lbs.)	1	5	25
156777	Tip cleaner & standℛ	0.5	$4.95	$4.49	$3.95
160004	Metal wool replacementℛ	0.1	2.49	2.29	1.95

SUN

150-Watt Solder Pot

- On-off switch on handle
- Input voltage: 120VAC
- Maintains pot temp. of 450°C to 480°C (842°F to 896°F)
- 3-conductor power cord: 5' long
- Pot size: 30mm deep x 35mm Dia.

Part No.	Product No.	Wt. (lbs.)	1	5
2115418	RD-7339	1.2	$49.95	$44.95

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057, pg 152
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base)
- Size: (tub) 2.4"Dia. x 1.6"D
- One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
1951625	300W solder potℛ	5.9	$89.95	$79.95

600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5' 5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 pg 152
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D

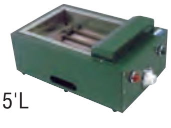
JAMECO BenchPro

Includes: Skimmer and removable dross tray

Part No.	Description	Wt. (lbs.)	1	5
172276	600W solder potℛ	7.4	$249.95	$225.95

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 pg 152
- 3 conductor pigtail power cord: 5'L
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- One-year warranty


Power cord not included (recommend P/N 37997, pg 116)

Part No.	Description	Wt. (lbs.)	1	5
149876	2000W solder pot	23.1	$329.95	$299.95

★Solder Pots — Enter Web Code HAW

Weller®

20-Watt Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Voltage: 120VAC
- Sound level: 45-50dB
- Air consumption: 87-107CFM
- ESD safe
- Power consumption: 20W
- UL/CUL listed
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Size: 10"L x 6.5"W x 11"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684810	WSA350	4.2	$68.95	$64.95
684828	WSA350F (carbon filter)	0.02	7.95	6.95

★Fume Extractors — Enter Web Code HAR

XYTRONIC

22-Watt Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack
- Fuse protected
- Noise: 49dB fan
- Air flow: 115 CFM
- 20VAC, 60Hz, 22 watts
- Aerodynamic hood design for effective removal of solder fumes
- Removable carbon-impregnated filter
- Size: 6.4"W x 7.9"H x 4.6"D
- One-year warranty

Includes: Detachable power cord

Part No.	Description	Wt. (lbs.)	1	5
120150	Fume extractorℛ	4.6	$49.95	$45.95
127183	Replace. filters (2/pk)ℛ	0.05	9.95	8.95

Fume Extractor Kit

Everything you need in order to build your very own mini pocket-sized fume extractor.

- Kit includes:
  - Voltage regulator
  - 12VDC fan
  - Slide switch
  - 2 fan guards
  - Replacement filter
  - Heat shrink
  - Jumper wire
  - Tin enclosure
  - Two 9V batteries w/ clips
- For step-by-step instructions, visit the DIY center at www.Jameco.com

JAMECO BenchPro

Part No.	Description	1	5
2137481	13-pc. fume extractor kit	$24.95	$21.95

42-Watt Combination Soldering Station and Fume Extractor

- Power consumption: 42W @ 650˚F (soldering iron)
- Adjustable knob for temperature control: 500˚F to 800˚F
- Stability @ idle: ±9˚F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
183169	456DLXℛ	5.2	$79.95	$74.95

Static Eliminator with Arm Stand

Ionized air blower with variable speed control designed for use with sensitive electrical components. Eliminates the problem of electrostatic buildup around workstations.

- Air volume output: 84 cfm (max.)
- Steel enclosure
- Ozone: less than 0.01ppm
- Operating temp.: 32˚F - 122˚F (0˚C - 50˚C)
- Air flow area coverage: 5' x 1.3'
- Dimensions: 5.5"W x 8.7"H x 3.3"D

JAMECO BenchPro

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5
2153473	GS-530A	$229.95	$209.95

For more Antistatic Products, see page 146

Vises, Soldering Accessories & Tape Products

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

PANAVISE Multi-Purpose Work Center

- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684852	350ℛ	5.0	**$99.95**	**$89.95**

PANAVISE Electronic Work Center

- Size: 8.5"W x 7.8"H
- One-year warranty

Includes: Circuit board holder, standard base, tray base mount and wire holder

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
27060	324ℛ	5.3	**$99.95**	**$89.95**

PANAVISE Rapid Assembly Circuit Board Holder

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684844	333ℛ	6.4	**$89.95**	**$84.95**

PANAVISE Vacuum Base Vise

- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment
- Base dia.: 3.4"
- Jaw size: 2"H x 1"W
- Height: 7.5"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
251791	209	0.8	**$39.95**	**$35.95**

JAMECO BenchPro Vacuum Base Vise

262116

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty

PANAVISE ★Web Code: TAD

Part No.	Mfr.	Product No.	Wt. (lbs.)	1	5
262116	BenchPro	GV-300ℛ	3.3	**$39.95**	**$35.95**
27131	PanaVise	M381ℛ	3.3	**69.95**	**63.95**

JAMECO BenchPro Third Hand Tools

681002

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base

Part No.	Description	Size	Wt. (lbs.)	1	5
72865	With holder/spongeℛ	2.0"	1.4	**$9.95**	**$8.95**
681002	With holder/sponge	3.5"	1.7	**10.95**	**9.95**
26690	Third hand	2.0"	1.4	**6.95**	**6.49**

★For Vises — Enter Web Code TAD

KESTER JAMECO ValuePro Solder Bars, Rolls and Pocket Packs

★Web Code: ABD

Soldering can get messy at times. Knowing that you also have limited space on your workbench, we offer plenty of tools to keep your soldering job clean and organized. We have everything from circuit board holders and vises that hold your project steadily in place, to acid brushes and pump bottles to clean off that extra flux on your soldering job. Solder comes in a variety of compositions to fit your specific job, and pocket packs keep the solder neatly in a tube for your convenient traveling. If there's anything you don't see in the catalog, visit www.Jameco.com for even more selection.

Due to extraordinary price fluctuations, solder prices are subject to change.

Part No.	Manufacturer	% Composition				Diameter	Weight	Type†	Pricing	
		Tin	Lead	Silver	Copper	Inches/mm			1	10
73576	Kester	60	40	—	—	0.031/0.787	0.5 oz.	2	**$2.95**	**$2.85**
32117	Kester	60	40	—	—	0.031/0.787	1.0 lb.	1	**35.95**	**33.95**
141786	ValuePro	60	40	—	—	0.031/0.787	1.1 lbs.	1	**29.95**	**27.95**
176057	ValuePro	60	40	—	—	—	1.1 lbs.	4	**34.95**	**32.49**
94570	Kester	60	40	—	—	0.05/1.27	1.3 oz.	2	**4.95**	**4.49**
73605	Kester	62	36	2	—	0.02/0.508	0.35 oz.	2	**3.49**	**3.25**
151474	Kester*	63	37	—	—	0.031/0.787	1.0 lb.	1	**39.95**	**34.95**
115433	Kester	63	37	—	—	0.039/0.991	0.14 oz.	3	**.75**	**.59**
668262	ValueProℛ	96.3	—	3.2	0.5	0.04/1.02	7.2 oz.	1	**39.95**	**36.95**
668297	ValueProℛ	96.3	—	3.2	0.5	0.04/1.02	1.1 lbs.	1	**84.95**	**79.95**
2113172	Kesterℛ	96.5	—	3.0	0.5	0.031/0.787	0.43 oz.	2	**4.95**	**4.75**
668271	ValueProℛ	96.5	—	3.5	—	0.04/1.02	9.6 oz.	1	**44.95**	**39.95**
170457	ValueProℛ	99.3	—	—	0.7	0.031/0.787	0.8 oz.	2	**3.25**	**2.95**
668078	ValueProℛ	99.3	—	—	0.7	0.04/1.02	7.2 oz.	1	**24.95**	**22.95**
209075	ValueProℛ	99.3	—	—	0.7	0.031/0.787	1.0 lb.	1	**36.95**	**33.95**

*Organic core †1. Roll 2. Packet 3. Coil 4. 13" Bar

141786

115433

668297

2113172

170457

TECHSPRAY Chemtronics 5' Desolder Braids

★Web Code: DAG

Part No.	Manufacturer	Mfr. Part No.	Description	Width (ins.)	1	10
2139137	Techspray	1820-5Fℛ	No-Clean, Military & NASA certified	.035	**$4.49**	**$3.95**
124126	Techspray	1815-5Fℛ	No-Clean, Military & NASA certified	.055	**3.95**	**3.75**
124118	Techspray	1816-5Fℛ	No-Clean, Military & NASA certified	.075	**4.25**	**3.95**
263708	Techspray	1817-5Fℛ	No-Clean, Military & NASA certified	.098	**4.69**	**4.39**
263695	Techspray	1803-5Fℛ	Pro wick, pure rosin	.075	**3.49**	**3.29**
263599	Techspray	1804-5Fℛ	Pro wick, pure rosin	.098	**3.75**	**3.49**
263581	Techspray	1811-5Fℛ	Pro wick, pure rosin with bobbin	.098	**3.95**	**3.59**
41082	ValuePro	GISW20ℛ	Desolder braid	.079	**1.99**	**1.79**
41100	ValuePro	GISW25ℛ	Desolder braid	.098	**2.19**	**1.99**
153462	ValuePro	GSR104Dℛ	Desolder braid	.120	**2.39**	**2.25**
2113130	Chemtronics	60-3-5	Soder-Wick® no clean size 3	0.08	**3.95**	**3.75**
2113148	Chemtronics	60-4-5	Soder-Wick® no clean size 4	0.11	**4.75**	**4.49**

263708

263695

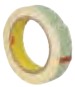
2113130

3M Tape Products

★Web Code: TPS

Part No.	Description	Color	Width (in.)	Length (yards)	Thickness (in.)	Pricing		
						1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75	20	.0070	**$1.35**	**$1.19**	**$1.09**
285907	Double sided foam tape	White	1.0	4	.1250	**18.95**	**17.95**	**15.95**

285587



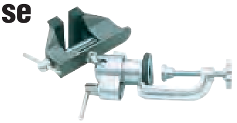
285907

PANAVISE PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8"
- Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts

Part No.	Mfr. Part No.	1	5
134439	PVJR 201ℛ	**$27.95**	**$25.95**

JAMECO BenchPro Clamp Vise



- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
127167	OR-307	2.1	**$19.95**	**$17.95**

JAMECO BenchPro Acid Brush

- Used for application of reactive solvents
- Length: 6"

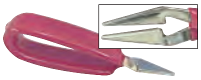
Part No.	Description	1	10	100
153322	Metal handleℛ	**$.69**	**$.59**	**$.49**

Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover
- Color: light blue

Part No.	Mfr. Part No.	1	5	25
158131	450ℛ	**$14.95**	**$13.49**	**$11.95**

JAMECO ValuePro Clip-On Heat Sink



- Absorbs and dissipates heat during soldering and desoldering sensitive parts

Part No.	Product No.	Size	1	10	100
159126	HT156	2.7"L x 0.7"W	**$2.95**	**$2.59**	**$2.29**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Workshop Chemicals & Heat Sink Compounds

Jameco has all the solutions to make your job easier. There's a wide variety of products that can be used with any project. Conductive pens simplify soldering jobs by just drawing a trace on the circuit board. Solder flux comes in many varieties to help work and rework your soldering jobs. Heat sink compounds take the heat off of your components without needing a bulky metal heat sink. Cleaning solutions keep your project looking clean and professional. If there's a way to make your job easier, Jameco can help. Visit www.Jameco.com for more products.

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
2120794	MG Chemicals	Adhesive epoxy, high temperature encapsulating and potting compound*	12	$44.95	$42.95
615769	GC Electronicsℛ	Adhesive, sealant, silicon, one part, non corrosive, clear	3	5.95	5.49
645845	3Mℛ	Super adhesive, household glue #6004*	1	4.49	3.95
263530	Techsprayℛ	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	21.95	19.95
2094207	Caig/DeoxITℛ	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	9.95	8.95
2112524	ChipQuikℛ	Cleaner & tinner, soldering tip for pre-tinning & tinning*	8†	6.95	6.49
2094231	Caig/DeoxITℛ	Cleaner wash, contact evaporates quickly, safe on plastics*	10	7.95	6.95
118033	Techsprayℛ	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
195004	Caig/DeoxITℛ	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig/DeoxITℛ	Cleaner & conditioner, soldering tip	0.5	8.95	7.95
616331	GC Electronics	Conductive paint, silver print II*	0.5#	49.95	44.95
2110529	Caig/DeoxITℛ	Circuit writer pen, silver based, for drawing & repairing traces, works on rubb.,epoxy,glass,plastic*	5g†	18.95	16.95
263716	Techsprayℛ	Conductive pen, silver ink*	0.17	45.49	42.95
2120559	MG Chemicals	Conformal coating, acrylic lacquer, protects from ESD*	2	12.95	11.95
2110481	Caig/DeoxITℛ	Degreaser wash, Val-U series, fast evaporating and safe on plastic*	10	8.95	7.95
616411	GC Electronicsℛ	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.45
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	49.95	44.95
139934	Techsprayℛ	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	16.95	15.95
615347	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	1†	8.95	7.95
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
236823	ValueProℛ	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloyℛ	Heat sink compound, silicon based grease	2†	8.95	7.95
169252	Techsprayℛ	Heat sink compound, silicon free	4†	25.95	24.95
259151	NTE	Heat sink compound, white gel, thermal grease 5 pack	0.35†	1.95	1.85
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
2134580	Caig/DeoxITℛ	Invisible glove hand lotion, antibacterial, anti-static, keeps hands clean and washes right off	2	8.95	7.95
263572	Techsprayℛ	Isopropyl alcohol, plastic bottle*	16	13.95	12.95
2117157	Caig/DeoxITℛ	Lubricant, use with conductive plastic faders and controls*	0.5	9.95	8.95
615806	GC Electronics	Solder flux remover & cleaner II, non ODC*	16	9.95	8.95
118041	Techsprayℛ	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	14.95	13.95
1586015	Chipquikℛ	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	14.95	13.49
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	7.49	6.95
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
615494	GC Electronicsℛ	Solder flux, paste, strong flux for soldering sheet metal & pipes, **not for PCBs***	2.29	4.95	4.49
2094258	Caig/DeoxITℛ	Solder flux, rosin paste for electronic applications including PCBs	2	9.95	8.95
2113092	Chemtronics	Solder flux, rosin dispensing pen, for electronic applications including PCBs*	0.32	11.95	10.95
2110490	Caig/DeoxITℛ	Solder flux wash, Val-U series, fast evaporating and safe on plastic*	10	8.95	7.95
2098208	Chipquikℛ	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe	0.34	19.95	18.95
2098224	Chipquikℛ	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable	0.34	21.95	20.95
525851	Chemtronicsℛ	Cotton swabs, double headed, 6" handle, 100-pack	—	5.95	5.35

***Shipped via ground to continental U.S. only** #Troy ounces †Measured by weight

645845

263530

2094207

2112524

2094231

118033

195004

2094215

616331

2110529

263716

139934

236823

167249

169252

615321

2134580

263572

2117157

1586015

481764

615224

615494

2094258

2113092

2098208/ 2098224

PROTOBOARDS

- 0.1" hole spacing
- Epoxy glass PCB material

Part No.	Size (in.)	1	10
105100	1.6 x 2.7ℛ	$5.95	$5.49
21478	5.0 x 13.25ℛ	39.95	35.95

See page 157 for our complete selection

SHAPELOCK PROTOTYPING COMPOUND

Part No.	Description	1	5
2112495	250 gram bagℛ	$14.95	$13.49
2112508	500 gram bagℛ	24.95	22.95

See page 160 for details

★*Workshop Chemicals — Enter Web Code YAQ*

★*Heat Sink Compounds — Enter Web Code YBA*

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Solderless Breadboards & Digital Labs

Solderless Breadboards

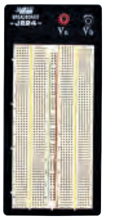
★ Web Code: HAC

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (below).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty

Attention Educators! Buy jumper wire on pg 155 in bulk and SAVE! (see Solid Hook-up Wire on page 50)

20670


20758

20812

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation • Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs • Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 155)
- Some models feature heavy-duty aluminum backings (20758, 136901, 20812)

Part No.	Manufacturer	Cross Ref. No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size (L" x W")	Baseplate Size (L" x W")	Weight (lbs.)	Pricing 1	10	50	100
94457	ValuePro	JE19ℛ*	0	2	100	0	6.5 x 0.4	—	0.04	**$3.95**	**$3.49**	**$3.19**	**$2.89**
2109801	Parallax	700-00012ℛ	1	0	170	0	1.8 x 1.4	—	0.03	**4.95**	**4.69**	**4.49**	**4.19**
2125018	BusBoard	BB300	1	0	300	0	3.3 x 1.4	—	0.04	**4.95**	**4.49**	**3.95**	**3.75**
20601	ValuePro	JE21ℛ	1	2	400	0	3.3 x 2.1	—	0.13	**5.95**	**5.49**	**4.95**	**4.49**
20670	ValuePro	JE22ℛ	1	0	630	0	6.5 x 1.4	—	0.20	**6.95**	**6.29**	**5.49**	**4.95**
194299	ValuePro	JE37ℛ	1	2	640	0	6.9 x 2.4	—	0.25	**10.95**	**9.95**	**8.95**	**7.95**
20723	ValuePro	JE23ℛ	1	2	830	0	6.5 x 2.2	—	0.30	**9.95**	**8.95**	**7.95**	**6.95**
194272	ValuePro	JE34ℛ	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	**19.95**	**17.95**	**15.95**	**13.49**
20758	ValuePro	JE24ℛ	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	**15.95**	**14.49**	**12.95**	**11.95**
136901	ValuePro	WBU504†	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	**21.95**	**19.95**	**17.95**	**15.95**
20774	ValuePro	JE25ℛ	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	**22.95**	**20.95**	**18.95**	**16.95**
20791	ValuePro	JE26ℛ	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	**29.95**	**27.95**	**24.95**	**21.95**
20812	ValuePro	JE27ℛ	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	**36.95**	**34.95**	**31.95**	**28.95**

* Pack of 2 † WBU5 and JE series do not interconnect

Breadboard Pin to Breadboard Pin Test Leads

Part No.	Manufacturer	Description	1	10	50
421315	ValuePro	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	**$10.95**	**$9.95**	**$8.95**

Digital Design Lab

Our most popular digital lab!

- 1580 tie points • Fixed power supply: +5VDC @ 1.0A
- Two 7-segment displays (digit height: 0.3")
- DCV digital multimeter • One-year warranty

International 115/220VAC Switchable

★ Web Code: LAJ

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short-circuit protection
- Variable DC power: 0 to ±15V @ 0.3A

Function Generator (6 ranges) • Sine/triangle wave output: 0-5Vp-p variable

- Frequency ranges: 0.1Hz–2Hz, 1Hz–20Hz, 10Hz–200Hz, 100Hz-2kHz, 1kHz–20kHz, 10kHz –200kHz • Square wave output: 0-15Vp-p

Universal Counter • 1Hz-100MHz, with 8-digital 7-segment LED display

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
75839	Digital labℛ	10.6 x 13.3 x 5.0	8.1	**$489.95**	**$469.95**
1952599	Replacement breadboard	4.5 x 6.75 x 0.37	0.5	**29.95**	**26.95**

RFID Design Lab

The RFID design lab will read, detect and verify UID data within the first SEEPROM, while automatically storing into the second SEEPROM the date and time as a login record. By default the induction board is set to use a USB interface, but can be configured for serial interface.

Great for learning RFID basics!

- LP-2010 TRF7960 induction board • 16 x 2 LCD monitor
- RS-232 or USB interface for RFID chip-board
- Status lamp (green/yellow/orange/red) and buzzer
- 2 individual relays with connector for open/close operation

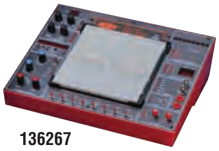
Includes: Power cables, USB-A to USB-B cable, CD w/ demo program & manual

Part No.	Product No.	Size (W" x D" x H")	1	5
2128104	LP-2010ℛ	12.8 x 9 x 3.5	**$659.95**	**$629.95**

Digital/Analog Design Labs

Solderless Breadboard

- 2712 connections; fits AWG #22-30 (0.3-0.8mm)


136267

DC Power Supplies

- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Variable DC output: 0 to ±15V @ 500mA (P/N 136267) and 0 to ±15V @ 1A (P/N 1919211)
- Input power: 110/220VAC @ 50-60Hz (switchable)

Function Generator (6 Ranges) • Triangle wave output: 0–5Vp-p variable

- Frequency ranges: 0.1Hz–2Hz, 1Hz–20Hz, 10Hz–200Hz, 100Hz–2kHz, 1kHz–20kHz, 10kHz–200kHz • Sine wave output: 0–5Vp-p variable

Other Features • 2.5" dia., 8Ω, 25W speaker • 2 banana sockets, 2 BNC jacks

- 2 pulse switches (2 sets of outputs: A, $\bar{A}$, B, $\bar{B}$) • 2.5" dia., 8Ω, 25W speaker
- Two 7-segment LED displays (digit height: 0.3") • 2 banana sockets, 2 BNC jacks

136267: • 8 data switches • 8-bit red LEDs • 100MHz universal counter

- Includes power cord, manual and UC-03 60-pin header

1919211: • 16 data switches • 16 red LEDs

- Includes power cord, manual and jumper wires

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
136267	Digital/analog labℛ	12.8 x 9.8 x 3.7	8.5	**$489.95**	**$459.95**
1919211	Digital/analog lab	13.0 x 10.5 x 3.5	9.1	**549.95**	**521.95**
319214	Replacement for P/N 136267ℛ	6.7 x 6.5 x 0.4	0.5	**39.95**	**35.95**

AC/DC Power Supply

Ideal for Breadboards above

International 120/220VAC Switchable

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use • Compact & lightweight
- For both digital and analog circuits • Color: Beige
- Compatible with test leads P/N 77842, pg 140
- Size: 7.4"W x 5.5"D x 2.6"H • One-year warranty

Output Specifications:
+5VDC @ 1A; -5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC, 300mA fixed

Part No.	Description	Wt. (lbs.)	1	5
77682	Power supplyℛ	5.5	**$164.95**	**$154.95**

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Powered Project Breadboards

★Web Code: XAT

Being confined to a lab bench in order to test your circuit can be a hassle. These breadboards have a built-in power supply, so all you have to do is plug it into the wall outlet and you're ready to go! Adjustable outputs make it easy to provide the right amount of power, and internal protection makes sure that your project is safe.

- Solderless breadboard with 2420 tie points
- Outputs are short-circuit protected
- Power switch with light
- **Includes:** 3-prong power cord

136259:

- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 37
- One-year warranty
- Breadboard size: 7.4"L x 6.8"W
- Back panel has ground terminal

1942163:

- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1.5A; 0 to ±16VDC @ 0.5A (adjustable)
- Breadboard size: 6.9"L x 5.8"W
- Grounded case
- Overload protection
- Fuse protection
- Lighted power switch

136259

1942163

Part No.	Description	Overall Size	Wt. (lbs.)	1	5
136259	5VDC @ 1A & ±15VDC @ 0.5Aℛ	9.9"L x 7.8"W x 2.8"H	6.8	$179.95	$169.95
1942163	5VDC @ 1.5A & ±16VDC @ 0.5A	9.8"L x 7.8"W x 3.0"H	5.8	129.95	119.95

Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.

211668

211676

211668: 1% resistance substitution from 1Ω to 11.111110MΩ

- 7 decade ranges of resistance
- Values can be changed in 1Ω increments
- 0.3W resistor

211676: 5% capacitance substitution from 100pF to 11.111μF

- 5 decade ranges of capacitance
- 50VDC rating

Part No.	Description	1	5
211668	Resistance box	$99.99	$94.95
211676	Capacitance box	129.99	123.95

Bug Boxes

★Web Code: UAL

- Anti-static plastic
- Box size: 4.9"L x 3.3"W x 0.6"H
- Designed to store all types of components

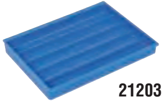
2120364

Part No.	Description	1	10	100
2115670	30 compartments (white)	$2.95	$2.49	$1.95
2120364	Open/sliding lid (blue)	2.95	2.49	1.95
2120436	30 compartments (clear)	2.95	2.49	1.95

Bug Trays

★Web Code: UAL

- Tray size: 4.8"L x 3.6"W x 0.5"H

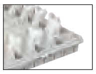

2120372

2120372: 5 compartments (4.6"L x 0.58"W x 0.3"H ea.)

Part No.	Description	1	10	100
2120372	Divided bug tray	$2.95	$2.49	$1.95
2120381	Open bug tray	2.95	2.49	1.95

Plastic Fliptop Case for SMDs

- 128 compartments
- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 47



Includes: Labels for each bin

★Web Code: UAL

Part No.	Size (L" x W" x H")	1	10
164267	11.0 x 8.3 x 1.7ℛ	$49.95	$44.95

Plastic Fliptop Boxes

- Clear plastic box with a clear plastic lid and removable dividers

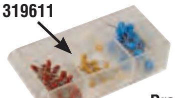
100256

100256: Size: 8.4"L x 4.5"W x 1.4"H
148902: Size: 10.2"L x 4.7"W x 1.6"H

Part No.	Compartments	1	10	100
100256	18 (1.4" x 1.5" each)ℛ	$2.29	$1.95	$1.79
148902	12 (1.7" x 2.3" each)	4.95	4.49	3.95

Component Cabinets

319600


319611
319601 Components not included
Drawer (319601)
Divider (319611)

★Web Code: UAL

319600:

- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

Included with every kit on page 39!

319601 (drawer): 5.5"L x 2.7"W x 1.5"H
319611 (divider): 2.5"W x 1.2"H

2108605:

- Cabinet size: 7.0"D x 17.6"W x 9.8"H
- Counter-top design (ABS blue)

Includes:
14 clear plastic drawers in 3 sizes:
(10) 6.4"L x 3.4"W x 1.5"H,
(3) 6.4"L x 8.8"W x 1.5"H,
(1) 6.4"L x 8.8"W x 3.4"H
and 20 adhesive I.D. labels

2108605

✳ Order in multiples of 10

Part No.	Description	1	10	100
319600	20-drawer cabinetℛ	$19.95	$17.95	$15.95
2108605	14-drawer cabinetℛ	24.95	22.95	19.95
319601	Drawer for cabinet	.49	.45	.39
319611	Drawer divider for cabinetℛ ✳		.15	.12

Wire Jumper Kits

- 0.1" to 5.0" lengths (14 sizes)
- Pre-stripped/preformed
- Clear plastic durable case
- 22 AWG solid wire jumpers in 10 colors

19290

2127718: 70 pieces, 5 of each length
2096018: 140 pieces, 10 of each length
19290: 350 pieces, 25 of each length
20080: 350 pieces, refill for 19290

★Web Code: LAS

Part No.	Description	1	10	50	100
2127718	70-piece kitℛ	$6.95	$6.39	$5.75	$5.25
2096018	140-piece kitℛ	9.95	8.95	7.95	6.95
19290	350-piece kitℛ	16.95	14.95	12.95	10.95
20080	Refill for 19290ℛ	11.95	10.95	8.95	6.95

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

126342

★Web Code: LAS

Part No.	Product No.	Length (mm/inch)	1	10	100
126360	J-50-Rℛ	50/1.97	$4.95	$4.49	$3.95
126342	J-100-Rℛ	100/3.94	5.95	5.39	4.95
126325	J-200-Rℛ	200/7.87	6.95	6.29	5.49

Deluxe Electronic Kits

2129115: 219 pieces; fuses, battery holders, batteries, potentiometers, loudspeaker, capacitors, resistors, photoresistors, transistors, switches, LEDs, clips, jumper and hookup wires, breadboard, AC adapter, and deluxe carrying case P/N 2129131

2129123: 109 pieces; voltage regulators, relays, diodes, switches, potentiometers, logic chips, DIP sockets, inverters, counters, timers, headers, 3-digit display, numeric keypad, DC power jacks, binding posts, solder tube, heatshrink tubing, printed circuit boards, clips, IC inserter, IC extractor, anti-static wristband, helping-hands, project box, deluxe carrying case P/N 2129131

2129131: Clear flip-top lid w/ 26 built-in compartments, case with 8 interchargeable compartments, snap-lock closure

- Color: black with clear lid
- Size: 15"L x 11.25"W x 3.75"H

2129115 Top

2129115 Bottom

2129123 Top

2129123 Bottom

Part No.	Cross Ref. No.	Description	1	5
2129115	DELUXE1	Deluxe electronic kit 1 with 219 total pieces	$89.95	$79.95
2129123	DELUXE2	Deluxe electronic kit 2 with 109 total pieces	99.95	89.95
2129131	5231	Deluxe carrying case with 34 compartments	17.95	16.95

Enclosures & Prototyping Kits

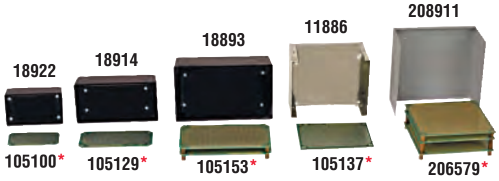
Metal and Plastic Enclosures

The prototype builder boards on pg 157 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware (P/N 106551) listed on pg 157.
Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

JAMECO EXCLUSIVE

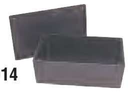
★Web Code: UAL

See page 49 for Knobs and page 90 for Hardware



*All boards sold separately, see pg 157; multiple boards shown

ABS Plastic Enclosures



Lid for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are interior dimensions.

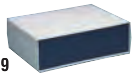
Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855ℛ	3.1" x 2.0" x 0.9"	$3.49	$3.19	$2.89	$2.49
18914	H2853ℛ	4.9" x 2.5" x 1.5"	3.95	3.59	3.19	2.75
18893	H2851ℛ	6.0" x 3.5" x 1.9"	4.95	4.49	3.95	3.49
18906	H2852ℛ	7.5" x 4.3" x 2.3"	7.49	6.79	5.95	5.49

ABS Enclosures w/ Clear Top

Includes screws for mounting boards, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1ℛ	4.9" x 3.4" x 2.4"	$9.95	$8.95	$7.95	$7.29
141841	203D1ℛ	6.5" x 3.4" x 2.2"	9.95	8.95	8.49	7.95
141859	203F1ℛ	7.3" x 5.7" x 3.0"	14.95	13.95	12.95	11.95

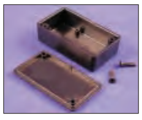
ABS Heavy-Duty Instrument Cases



P/N 18877 includes ventilation and speaker sound slots.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505ℛ	7.9" x 6.3" x 2.5"	$8.95	$7.95	$7.19	$6.49
18877	H2507ℛ	10.0" x 7.5" x 3.1"	9.95	8.95	7.95	7.29

ABS Plastic Lip Top Enclosures



PCB standoffs molded into the case with a lip top for a precision fit. Painted black with a satin texture finish and protection against dust and splashing water. Assembly screws and lid included.

NEW
MARKED IN PINK

Part No.	Cross Ref. No.	Size (L x W x D)	Fits Protoboard	Color	1	10	50
2138206	1551GBK	2.0" x 1.4" x 0.8"	—	Black	$1.95	$1.75	$1.39
2138425	1593PBK	3.6" x 2.6" x 1.1"	2127494	Black	3.95	3.49	3.19
2138281	1553DGYBAT	5.8" x 3.5" x 1.0"	2127443	Gray	11.95	10.49	9.49

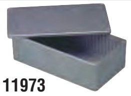
★Protoboards Online — Enter Web Code LAG

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	$6.95	$6.49	$5.95	$5.49
208911	B2743Aℛ	5.9" x 5.3" x 3.0"	8.95	7.95	6.95	6.25
209350	B2746Aℛ	6.3" x 7.8" x 2.5"	10.95	9.95	8.95	7.95
208929	B2744Aℛ	7.3" x 6.3" x 2.8"	11.95	10.95	9.95	8.95
209358	B2747Aℛ	7.5" x 9.8" x 3.2"	15.95	14.49	12.95	11.95

Die-Cast Aluminum Enclosures



Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Includes screws.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	$7.95	$7.49	$6.49	$5.95
11965	B5004	4.7" x 2.6" x 1.4"	10.95	10.49	9.49	8.95
11973	B5006	7.5" x 4.3" x 2.4"	19.95	18.49	16.95	15.49

Aluminum Enclosures

The enclosure comes in two pieces which slide together.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	H2300ℛ	4.0" x 2.0" x 2.8"	$6.95	$6.29	$5.69	$4.95
11886	H2320ℛ	5.0" x 4.0" x 3.0"	8.95	7.95	6.95	5.95
11894	H2335ℛ	7.0" x 6.2" x 4.6"	10.95	9.95	8.95	7.95

Rugged Diecast Aluminum Alloy Enclosures

Protects from dust and splashing water, while also providing EMI/RFI shilding. Designed to meet IP54 rating. Unpainted with a vibra finish. Assembly screws included. See protoboards at www.Jameco.com.

NEW
MARKED IN PINK

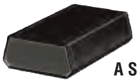
Part No.	Cross Ref. No.	Size (L x W x D)	Fits Protoboard	Cover	1	10	50
2138169	1550A	3.5" x 1.4" x 1.2"	—	Lid top	$6.95	$6.25	$5.59
2138290	1590B	4.4" x 2.3" x 1.1"	2127451	Lip top	7.95	7.25	6.49
2138302	1590BB	4.7" x 3.7" x 1.2"	2127460	Lip top	10.95	9.49	8.49

Specialty Enclosures

★Web Code: UAL

A Series — with PCB Boss Mounts

- 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates


A Series

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
373456	A-42-BKℛ	Black	7.12 x 5.00 x 1.62	$14.49	$12.95	$11.49

C Series — with Pinch-Fit for PCBs

- Simple 2-piece design
- 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	100
675331	C-4-BKℛ	Black	2.13 x 1.38 x 0.58	$2.95	$2.69	$2.39

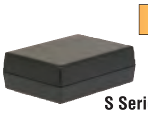
S Series — Two-piece Standard Enclosures

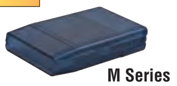
- 2-piece design
- 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	100
675454	110-I-BKℛ†	Black	None	3.61 x 2.27 x 1.01	$3.95	$3.49	$2.95
675462	111-BKℛ	Black	None	3.61 x 2.27 x 1.51	4.95	4.49	3.95
675489	131-BKℛ	Black	None	4.38 x 3.25 x 1.51	5.95	5.49	4.95
675500	151-BKℛ	Black	None	5.63 x 3.25 x 1.51	6.95	6.29	5.59
675593	251-BKℛ	Black	1-9V	5.63 x 3.25 x 1.51	7.95	7.29	6.49
675526	171-BKℛ	Black	None	6.88 x 4.88 x 1.51	9.95	8.95	7.95
675542	173-BKℛ	Black	None	6.88 x 4.88 x 2.51	11.95	10.95	9.95
675551	193-BKℛ	Black	None	9.50 x 6.34 x 2.51	15.95	13.49	11.95

†Insert on top is recessed 0.015" on all models designated with an "I"

C Series


S Series


M Series

Please Note: Images used are representative. Color and shapes may vary by model.

M Series — Handheld w/ Built-in Battery Holder

- Color: translucent green
- Streamlined handheld design
- 5-insert areas for customized I-plates

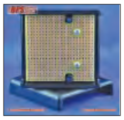
Part No.	Mfr. Part No.	Description	Size (L" x W" x H")	1	10
694807	M-6-TR-GRℛ	4-piece design	4.15 x 2.40 x 0.85	$8.95	$8.49

BusBoard Prototyping Kits

★Web Code: PTK

These all-in-one prototype kits are equipped with a PCB that is designed to fit the enclosure. No cutting or drilling required.

- Precision-drilled
- Precision-etched
- Built-in standoffs
- Screws included
- Anti-tarnish protective coating for easy soldering
- High-quality FR4 glass epoxy PCBs for long life


2123881 in use

2123899 in use

Part No.	Description	Size (L" x W" x D")	1	10	50
2123881	Black ABS plastic w/ end panelsℛ	2.6 x 2.6 x 1.1	$6.95	$6.59	$6.29
2128016	Black ABS plastic w/ end panelsℛ	3.6 x 2.6 x 1.1	10.95	9.95	8.95
2123899	ABS plastic w/ battery doorℛ	3.6 x 2.6 x 1.1	7.95	7.59	7.29
2123872	Black painted diecast aluminumℛ	4.7 x 3.7 x 1.2	22.95	20.95	19.95
2127355	Ergonomic plastic w/ battery doorℛ	5.8 x 3.5 x 1.0	14.49	12.95	11.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

General Purpose Prototyping Boards

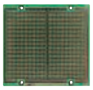
JAMECO ValuePro · JAMECO EXCLUSIVE

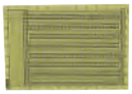
Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

See PCB enclosures on pg 156, and mounting hardware (recommend P/N 106551) below

★ Web Code: LAG


206579

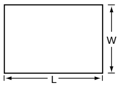

21435

52943

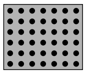
21478

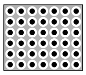
106551

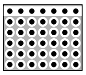
Board Outline

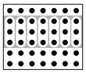


Circuit Patterns

A 
Holes Only

B 
Pad Per Hole

C 
Power/Ground Perimeter Bus with Pad Per Hole

D 
3 Hole Solder Pad and Bus

Part No.	Cross Ref. No.	Size (W" x L")	Fits Enclosure(s) (see page 156)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing 1	10	50	100
105102	5002PCBℛ	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	**$6.95**	**$5.95**	**$4.95**	**$3.95**
105100	2855PCBℛ	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	**5.95**	**5.49**	**4.95**	**4.49**
105129	2853PCBℛ	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	**8.49**	**7.59**	**6.75**	**5.95**
105111	2300PCBℛ	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	**7.95**	**7.19**	**6.49**	**5.95**
263207	PCB-463ℛ	2.40 x 4.10	—	B	Plated through	640 x .042"	None	None	4 x .120"	.05	**8.95**	**7.95**	**6.95**	**5.95**
28178	PCB1ℛ	2.42 x 4.10	—	C	Plated through	674 x .040"	None	None	4 x .120"	.04	**7.95**	**7.25**	**6.59**	**5.95**
263215	PCB-858ℛ	2.50 x 4.20	18914	D	Plated through	640 x .042"	None	D-sub 25/USB/RJ45	4 x .120"	.05	**8.95**	**7.95**	**6.95**	**5.95**
105153	2851PCBℛ	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	**9.95**	**8.95**	**7.95**	**6.95**
263223	PCB-69ℛ	3.30 x 3.70	—	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	**8.95**	**7.95**	**6.95**	**5.95**
105137	2320PCBℛ	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	**8.95**	**7.95**	**6.95**	**5.95**
105162	2852PCBℛ	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	**13.95**	**12.49**	**10.95**	**9.95**
21531	JE417ℛ*	4.20 x 6.50	—	C	Plated through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	**11.95**	**10.95**	**9.95**	**8.95**
206587	2746APCBℛ	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	**9.95**	**8.95**	**7.95**	**6.95**
21435	JE401(8001)ℛ	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	**16.95**	**15.49**	**13.95**	**11.95**
21452	JE405(8003)ℛ	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	**10.95**	**9.95**	**8.95**	**7.95**
206579	2743APCBℛ	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	**7.95**	**6.95**	**5.95**	**5.29**
105180	2505PCBℛ	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	**13.95**	**12.49**	**10.95**	**9.95**
21478	JE407(8006)ℛ	5.00 x 13.25	—	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	**39.95**	**35.95**	**32.95**	**28.95**
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	**11.95**	**10.95**	**9.95**	**8.95**
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	**16.95**	**15.49**	**13.95**	**11.95**
263232	PCB-7038ℛ	8.30 x 11.9	—	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	**39.95**	**35.95**	**31.95**	**27.95**

VECTOR ELECTRONIC COMPANY

Vector Prototyping Boards

Part No.	Cross Ref. No.	Size (W" x L")	Fits Enclosure(s) (see page 156)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	1	10	50	100
43140	64P44XXXP	4.50 x 6.50#	18869	A	Drilled only	2860 x .042"	None	None	None	.09	**$8.95**	**$8.49**	**$7.95**	**$7.49**
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	**12.95**	**12.45**	**11.95**	**11.49**
37612	169P44XXXP	4.50 x 17.0#	—	A	Drilled only	7524 x .042"	None	None	None	.25	**15.95**	**15.49**	**14.95**	**13.95**
37621	169P84WE	8.50 x 17.0	—	A	Drilled only	14,448 x .042"	None	None	None	.53	**29.95**	**28.95**	**27.95**	**26.95**
106551	20 pieces; PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										**2.95**	**2.59**	**2.29**	**1.95**

* PC/XT 8-bit # PCB material: phenolic † All 0.042" Diameter hole boards use terminals P/Ns 34147, 34155 and 34163 (below)

VECTOR ELECTRONIC COMPANY

.042" Diameter Copper Alloy Wire Wrap and Push-In Terminals

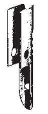
34147: Push-In Micro-Klip Terminals

34155: Miniwrap Wiring Terminals • Shoulder: .045".

- Two-prong w/ square tail for wire wrapping

34163: Klipwrap Wiring Terminals

- Three-prong with square tail for wire wrapping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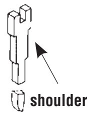

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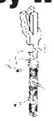

34163

Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	Post Size	Overall Length	100 pc. units 1	10
34147	T421-1/C	.200	.097	.032" x .045"	.36"	**$8.95**	**$7.95**
34155	T44/C	.065	.530	.025"Sq.	.69"	**9.95**	**8.95**
34163	T49/C	.200	.530	.025"Sq.	.83"	**17.95**	**16.49**

IDI INTERCONNECT DEVICES, INC.

Spring Loaded Contact and Receptacle Terminals

★ Web Code: SPC

2125683: Barrel - copper alloy, gold plated; spring - stainless steel; ball - stainless steel gold plated; plunger - beryllium copper, gold plated; receptacle - copper alloy gold plated

2129861/2129879: Barrel - nickel/silver gold plated, spring - beryllium copper or stainless steel gold plated, plunger - beryllium copper gold plated over nickel, receptacle - nickel/silver, gold plated post

2135232: Spring - beryllium copper nickel plated or stainless steel, plunger - beryllium copper or steel, gold plated over nickel, receptacle - nickel/silver, gold plated, gold plated post

2135259/2135241: Plunger - hardened beryllium copper, body - gold plated phosphorous bronze, spring and ball - stainless steel

Min. centers: 0.100"; current rating 15A; working travel: 0.17" (0.25" max.); force: 6.7 oz (190grams); 0.054"Dia. x 1.31" L x 0.060" probe tip

Part No.	Mfr. Part No.	Description	1	10	100
2125683	SH-100-F-6.7-G	0.100" probe	**$1.75**	**$1.49**	**$1.25**

Min. centers: 0.100"; current rating 3A; working travel: 0.100" (0.16" max.); force: 4.0 oz (113grams); 0.054"Dia. x 0.97" L x 0.040" probe tip

Part No.	Mfr. Part No.	Description	1	10	100
2129861	S-25-J-4-G	0.100" probe	**$.39**	**$.35**	**$.29**

Wire wrap post, min. centers: 0.075"; current rating 3A; working travel: 0.050"; force: 4.9 oz (139grams); 0.429" post length x 0.695" length

Part No.	Mfr. Part No.	Description	1	10	100
2129879	RSS-75-WW	0.075" receptacle	**$.39**	**$.35**	**$.29**

Wire wrap post, min. centers: 0.100"; current rating 3A; working travel: 0.17", post length, 0.054" diameter x 1.31" length

Part No.	Mfr. Part No.	Description	1	10	100
2135232	R-100-WW-429	0.100" receptacle	**$.29**	**$.25**	**$.22**

Min. centers: 0.187"; current rating 20A; working travel: 0.167", spring force: 3.5 oz (99 grams); 1.21" length (peg), 1.05" length x 0.133" diameter

Part No.	Mfr. Part No.	Description	1	10	100
2135259	P2757G-1R1S	0.187" probe	**$4.95**	**$4.49**	**$3.95**
2135241	S2757-2ED	0.187" receptacle	**3.95**	**3.49**	**2.95**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

BusBoard Breadboards and Prototyping Boards

BPS prototyping boards have unique board patterns that help speed-up the construction of your electronic prototypes and circuits. The breadboards and protoboards have the same pin-outs so you can transfer your design directly from the breadboard to the solderable protoboard.

- Precision-drilled
- Precision-etched

Plug-In Breadboards

2125026

These solderless "plug-in" breadboards provide a quick way to build and test circuits and can be transferred directly to the protoboards right away.

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125018	BB300℞	3.3 x 1.4 x 0.3	300	$4.95	$4.49	$3.95
20601	BB400℞	3.3 x 2.1 x 0.3	400	5.95	5.49	4.95
2123830	BB400T℞*	3.3 x 2.1 x 0.3	400	5.95	5.39	4.79
2125026	BB830T℞*	6.5 x 2.2 x 0.3	830	7.95	7.49	6.95

*Transparent

Solderable PC Protoboards

2125034

- High-quality FR4 glass epoxy PCBs for long life
- Anti-tarnish protective coating for easy soldering

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125042	SB300℞	3.0 x 1.20 x 0.06	300	$4.95	$4.49	$3.95
2125051	SB400℞	3.0 x 1.90 x 0.06	400	5.95	5.49	4.95
2125034	BR1℞	7.0 x 1.85 x 0.06	830	6.95	6.49	5.95
2127241	PR3U	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95
2127267	ST3U	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95

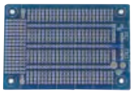
PT Series Prototyping Boards

★Web Code: LAG

Accommodates any mixture of 0.3" to 0.6" wide ICs with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- Features power buses that connect to a power jack (recommended P/Ns 101178 & 101186, pg 111)

Part No.	Product No.	Size (L" x W")	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	10	50
645677	PT-35X25	3.5 x 2.5	Double-sided	456 x .036"	4 x .140"	$9.95	$8.95	$7.95
262511	PT-5X37	5 x 3.7	Double-sided	1135 x .036"	4 x .140"	12.95	11.95	10.95
262537	PT-6X49	6 x 4.9	Double-sided	1931 x .036"	4 x .140"	14.95	13.95	12.95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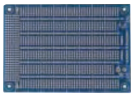
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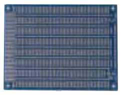
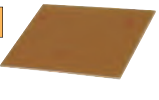

262537

Positive Pre-Sensitized Circuit Boards

★Web Code: CTB



1 oz. copper (.0014") on an epoxy glass FR-4 board, UL94V-0 rated. The peel-off coating protects the board while handling or cutting prior to exposure. Use with developer mixed 1:9 with water (recommend P/N 616411, pg 153).

Part No.	Mfr. Part No.	Description	Size	1	10	50
616251	21-334	Single-sided	4" x 6"	$6.49	$5.95	$5.49
616260	21-336	Single-sided	6" x 6"	7.95	7.29	6.49
616307	21-353	Double-sided	6" x 9"	13.95	12.95	11.95

Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

★Web Code: CTB

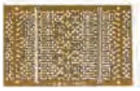
Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616471	22-250	3" x 5" x 1/16"	$4.95	$4.49	$3.95
616489	22-260	4" x 6" x 1/16"	4.49	3.95	3.49
616497	22-261	6" x 6" x 1/16"	4.95	4.59	4.25
616500	22-263	6" x 9" x 1/16"	5.95	5.49	4.95
616518	22-264	8" x 10" x 1/16"	10.95	9.95	8.95
616534	22-268	11" x 14" x 1/16"	17.95	16.95	15.95

616518

Prototype Boards

★Web Code: LAG

Export Design Phenolic Prototype Board



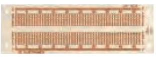
Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated. 0.1" centers.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616631	22-504	3 1/8 x 5 1/16 x 1/16	$6.95	$6.29	$5.69

Experimenter's Phenolic Prototype Boards

616649: Copper plated with 94 five-point terminals and two 40-point bus strips

616673: Single land pattern


616649

616673

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616649	22-508	2.0 x 6.0 x 1/16	$13.95	$12.95	$11.95
616673	22-512℞	3 3/8 x 6.75 x 1/16	6.95	6.49	5.95

Perforated Bare Phenolic Prototype Boards

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

616681: 0.1" spacing **616690:** 0.265" spacing

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	Hole Dia.	1	10	50
616681	22-514	2.25 x 6.0 x 1/16	.093	$7.95	$7.49	$6.95
616690	22-516℞	4.50 x 6.0 x 1/16	.042	5.95	5.49	4.95

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- 0.035" diameter holes
- Silver-plated land patterns
- 0.1" centers

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616622	22-502	3.5 x 6.0 x 1/16	$14.95	$13.95	$12.95

Plug-In IC Phenolic Prototype Board

ICs plug directly into board. Its 0.1" spacing accepts 14-pin up to 20-pin ICs. Silver plated lands with 24-way card edge connector plug on one end. 0.035" diameter holes.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616614	22-500	2.38 x 4.0 x 1/16	$6.95	$6.49	$5.95

Copper-Plated Blank Circuit Boards

★Web Code: CTB

Ideal for hobbyists & students doing prototypes of circuits. Both single and double-sided boards are copper plated.

- 1.6mm (1/16") thick
- PCB material: phenolic

Fig. 1

Fig. 2

Fig. 3

Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single-sided	3	2.9 x 5.9	$2.95	$2.69	$2.39
169288	PCBS6X6℞	Single-sided	2	5.9 x 5.9	3.95	3.49	2.95
169296	PCBS12X12℞	Single-sided	1	11.8 x 11.8	9.95	8.95	7.95
169309	PCBD3X6℞	Double-sided	3	2.9 x 5.9	3.95	3.49	2.95
169317	PCBD6X6℞	Double-sided	2	5.9 x 5.9	6.95	6.39	5.59
169325	PCBD12X12℞	Double-sided	1	11.8 x 11.8	19.95	17.95	15.95

Photofabrication, Exposure and Economy Etching Kit

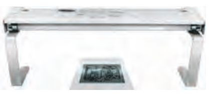
★Web Code: MGC

The kits below allow you to produce professional printed circuit boards quickly and at a lower cost than a professional design house.

2121017

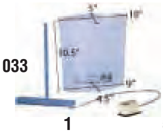
2121017: Photofabrication kit

- 3 single sided presensitized PCB boards (3" x 5", 4" x 6" and 6" x 6")
- Instruction sheet
- Chemicals: developer and ferric chloride
- Foam brushes, development tray, rubber gloves


2121025

2121025: Exposure kit

- Fluorescent light fixture w/ stand
- Instruction sheet
- Daylight fluorescent bulb
- Acrylic weight for artwork


2121033

2121033: Economy Etching kit

- 5 liter etching tank
- Instruction sheet
- Air pump and tubing, spraying unit, vinyl gloves

Part No.	Description	1	5
2121017	416-K photofabrication kit*	$69.95	$64.95
2121025	416-X exposure kit℞	69.95	64.95
2121033	416-ES economy etching kit℞	69.95	64.95

*Shipped via ground – available continental U.S. only

Electro Design

JAMECO ValuePro

Prototyping Developer Kit

The Jameco prototyping developer kit includes everything you need to get started with prototyping your own PCB.

- 2 precoated circuit boards, 3" x 4" x 1/16" (P/N 156751, below)
- 4 oz. positive developer concentrate (P/N 156734, below)
- 32 oz. etching solution (P/N 616438, pg 153)

Part No.	Description	1	5
2113244	Prototyping developer kit*	$46.95	$42.49

*Shipped via ground – available continental U.S. only

DATAK

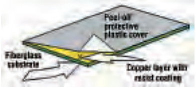
Pre-Sensitized Circuit Boards & Chemicals

- Pre-coated circuit board
- 1/16" thick

Includes: Instructions

★Web Code: CTB

P/N 2097088 Includes:
ER-18 tinnit solution, 8" x 6" x 2" pan, 16 oz. bottle


Peel-off protective plastic cover
Fiberglass substrate
Copper layer with resist coating

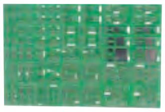
156751

Part No.	Mfr. Part No.	Description	1	10	50
2097117	14-024	Single sided (2.0"L x 4.0"W)	$4.49	$3.95	$3.49
156751	14-034	Single sided (3.0"L x 4.0"W)	5.49	4.95	4.49
156742	14-234	Double-sided (3.0"L x 4.0"W)	5.95	5.49	4.95
156734	12-404*	4 oz. positive developer	15.95	14.49	12.95
2097070	12-500	Clear copy sheets (8.5" x 11.5") 5 pk.	4.95	4.49	3.95
2097088	12-800	Tin plating copper kit	19.95	17.95	15.95
70201	ER3*	Dry concentrated etchant (makes 1 pint)	6.95	6.49	5.95

*Shipped via ground – available continental U.S. only

BELLIN DYNAMIC SYSTEMS, INC.

Surface Mount Proto Boards



215491

Prototyping SMT circuit boards has been tedious and time-consuming. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- V-groove scoring between elements for smooth straight edges
- Compatible with .100" single or dual row male headers (see pg 63)
- Board thickness: 0.031"
- Size: 7.6"L x 5.0"W
- Visit www.Jameco.com for additional specifications

★Web Code: HDS

Small SMT

Part No.	Mfr. P/N	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	$44.95	$39.95
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	44.95	39.95

SOIC

Part No.	Mfr. P/N	Board Description	1	10
215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	$44.95	$39.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	44.95	39.95

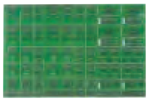
Fine Pitch Dual Row

Part No.	Mfr. P/N	Board Description	1	10
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	$44.95	$39.95
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	44.95	39.95

Quad

Part No.	Mfr. P/N	Board Description	1	10
323918	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adapter for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	$14.95	$12.95

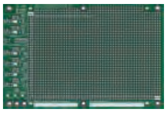
PCB Connector



- 0.062" thick through-hole
- Each board snaps apart
- Size: 7.6"L x 5.0"W

Part No.	Mfr. P/N	Description	Price
227272	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB connector	$14.95

Development Board



- Six slots for DC regulators
- Adapters easily snap apart
- "Star Ground" points for non-isolated supplies
- Marked referencing: chassis, earth or circuit common

Part No.	Mfr. Part No.	1	10
2097942	B500	$14.95	$12.95

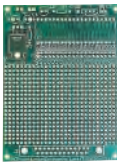
microEngineering Labs

"PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend
- Solder mask on both sides makes soldering easy

★Web Code: DAT

132644



132652

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18: All 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61,620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

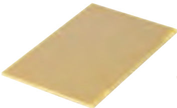
PPUSB: For the 28-pin PIC16C745, 765; PIC18F2450, 2455, 2550
For the 40-pin PIC18F4450, 4455, 4550

PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

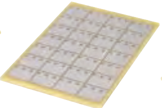
Part No.	Mfr. Part No.	Description	Size (L" x W")	1	5
132644	PP18	PICProto 18R	3.0 x 1.5	$9.95	$8.95
1942180	PPUSB	PICProto USBR	3.6 x 4.1	14.95	13.49
132652	PP64	PICProto 64R	4.0 x 3.0	16.95	12.95

BoardworX

Surface Mount Proto Boards



2117270



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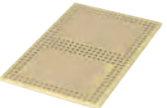

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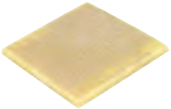


2117309

BoardworX utilizes a new SMT prototyping system called the "Universal Grid" concept which allows fast and easy prototyping of almost all surface mount parts on a single board (except BGAs)

2117270: Surface mount only
2117288: Surface mount and 28 power plane pads
2117296: Surface mount and thru-hole
2117309: Surface mount only (3-pack)

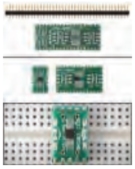
★Web Code: HDS

Part No.	Description	Size	Grid Spacing (Top/Bottom)	1	10	100
2117270	SMT-100	3" x 2"	0.02"/0.025"	$11.95	$11.49	$10.95
2117288	SMT-200	3" x 2"	0.02"/power pad	11.95	11.49	10.95
2117296	SMT-300	3" x 2"	0.02"/0.025"	11.95	11.49	10.95
2117309	SMT-400	1" x 0.95"	0.02"/0.025"	6.49	5.95	5.49

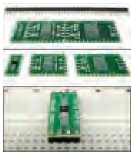
SchmartBOARD™

SMT to DIP Adapters

★Web Code: HDS



2150125



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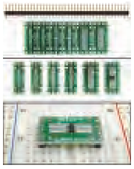

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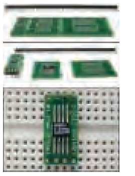


2130263

These adapters make it easy to prototype with surface mount ICs on your solderless breadboard. Simply solder the IC onto the adapter and the pins will plug directly into your board. For more adapters, visit www.Jameco.com

- Multiple boards in one package that break away
- Each one includes a row of headers for use with breadboards

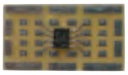
Part No.	Mfr Part No.	Pitch	No. of Boards	1	5
2150125	204-0007-01	0.5mm/0805 SMT	2 total: one 10-pin, one 28-pin	$5.95	$5.49
2150117	204-0006-01	0.65mm/0805 SMT	3 total: one 8-pin, one 20-pin, one 28-pin	5.95	5.49
2150109	204-0003-01	0.95mm/0.65mm	6 total: two 8-pin, four 6-pin	5.95	5.49
2130263	204-0004-01	1.27mm	3 total: one 8-pin, one 18-pin, one 28-pin	5.95	5.49

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Surfboards, PIC & Universal Programmers

Surfboards®

Mini Breadboards for Surface Mount Devices.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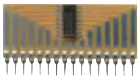
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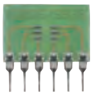

207597

Part No.	Mfr. Part No.	★Web Code: HDS 1	10
207360	9081 (For 8-pin SOIC)	$2.49	$1.95
207378	9082 (For 8-pin SOIC)	3.95	3.15
207386	9161 (For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H)	1.95	1.55
207394	9163 (For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H)	5.95	5.49

Application Specific Adapters

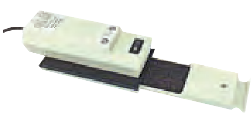
Part No.	Mfr. Part No.	Accepted Devices	Pins	1	10
207589	33205	SOT-23-5/SC59-5	5	$1.75	$1.59
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	2.95	2.49

PICBasic & Pro Compiler

- Compatible w/ most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I²C instructions to access external serial EEPROMs
- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Bit, byte, word arrays
- MPLAB/MPASM/ICE compatibility
- Built-in LCD support
- Supports PIC12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers

Part No.	Mfr. Part No.	Description	1	5
150543	PBP	PICBasic Pro compiler	$225.95	$195.95

EPROM Eraser



- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²

Part No.	Description	Size (L" x W" x H")	Weight	1	5
15712	8-chip eraser	9.0 x 3.7 x 2.6	2.3 lbs.	$195.95	$175.95
34382	Replacement lamp	—	0.6 oz.	39.95	34.95

Re-Usable Prototyping Compound

"Shape-then-lock" Design Plastic

Build your invention now – without machine tools. Create super-strong custom parts, prototypes, molds, servo brackets, robot housings, sculptures, science projects, and more.

- Melts at 160˚F
- Safely hand moldable
- Becomes rigid at room temperature
- Non-toxic, light weight and paintable
- Can be drilled, sawed, and machined

Part No.	Mfr. Part No.	Description	1	5
2112495	01-250℟	250 gram bag	$14.95	$13.49
2112508	01-500℟	500 gram bag	24.95	22.95

USB Handy Universal IC Writer

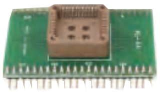
This IC writer can automatically detect device pin insertion in order to provide great connectivity and avoid mistakes while programming.

- Supported devices: EPROMs, EEPROMs, FLASH, Serial EEPROM, NV-RAMs, Microcontrollers, DSP, PLDs, and more
- Fast programming; it only takes 20 seconds to process 1Mbit FLASH memory
- Graphic operation software
- Auto-programming and system self-test functions
- Supports low-voltage components for programming
- Compatible with Windows® 98/ME/2000/XP
- System self-test function
- Device processing interface

Includes: Power adapter, USB cable, user's manual and drivers

Part No.	Description	1	5
2146599	Leaper-48 Universal IC Writer	$595.95	$565.95

PLCC Prototype Adapter



- PLCC socket slotted for PLCC chip remover
- Tin-plated PLCC connector
- Gold-plated round pins
- PCB construction
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10

Part No.	Pins	Size (L x W)	1	5	25
73542	44℟	2.3" x 1.6"	$13.95	$12.49	$11.95

USB PIC Programmer

More than 300 PIC microcontrollers are supported and support for future devices can be added via FLASH firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.

- Dual color indicator shows ready/busy states
- Full featured, command-line operation
- Fast full speed USB data transfer
- Standard USB cable (Type A male to Type B male)
- HID interface
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- In-Circuit Serial Programming (ICSP) connector for interface to project board
- Compatible with microchip HEX format files & all programming adapters

Part No.	Mfr. Part No.	Description	1	5
1942382	U2	USB PIC programmer℟	$89.95	$84.95

★*MicroEngineering Labs Programmers Available Online — Enter Web Code: EAT*

PICkit™ 2 Microcontroller Starter Kit

The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website.

Includes: PICkit™ 2 development programmer, demo board with 8-bit CMOS MCU, two starter CD ROMs, and USB cable

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120℟	Programmer starter kit	$79.95	$74.95

Flash Writer/Programmer with USB Interface

- Supports Flash EPROMs, EEPROMs & EPROMs
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: only 22 seconds to blank check, program and verify MXIC MX29F040
- File formats supported: binary & machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D Flash programmer/writer	$295.95	$275.95

★*Universal Programmers Online — Enter Web Code SUP*

USBtinyISP AVR Programmer Kit – v2.0

The USBtinyISP is a simple open-source USB AVR programmer and SPI interface. It's a low-cost, simple solder kit, and has both 6 and 10-pin standard ISP cables. Works with AVRDude and AVRStudio-compatible and tested under Windows® XP, Linux & MacOS X.

NOTE: Does not do JTAG or high voltage programming.

- Max clock rate: 400kHz
- 26 pieces
- Read/write speed: 2kb/s, 1kb/s
- 2 status LEDs: "USB/Power Good" and "Busy"
- I/O buffering allows programming of 2V-6V targets
- Powered off 5V USB bus @ <100mA

Includes: PCB, enclosure, MCU, and components

Requires: USB-A to USB-B cable (P/N 222608, pg 164, not included)

Part No.	Description	1	5
2136788	USBtiny AVR programmer kit	$25.95	$24.95

℟ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

EE Tools

IC Programming Solutions

MADE IN USA

EE Tools' main goal is to develop and manufacture the most sophisticated, reliable, fast stand-alone and PC-based device programmers which will surpass those introduced by the manufacturers from the Far East.

- All products made in the USA
- Free software updates for life
- CE approved
- Guaranteed fast and competitive programming speed and reliability

*Universal Programmers and Adapters — Enter Web Code SUP

ChipMax Low Cost Universal Programmer

- Parallel port interface
- Input voltage: 5V
- 40-pin ZIF socket
- No. of devices supported: 8,000+
- Supports: Flash EPROM, EPROM, EEPROM, Microcontroller, PALCE, GAL

Part No.	Mfr. Part No.	Price
207731	CHIPMAX	$294.95

ChipMax2 Low Cost Fast Universal Programmer

- USB interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 2.7V, 1.8V
- No. of devices supported: 15,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, MCU

Part No.	Mfr. Part No.	Price
694866	CHIPMAX2	$544.95

TopMaxII High Speed Universal Programmer

- USB 2.0 PC interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 1.8V
- No. of devices supported: 20,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, PAL, GAL, FPGA, MCU

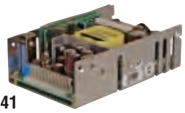
Part No.	Mfr. Part No.	Price
2110158	TOPMAXII	$794.95

PC Power Supplies

60 to 800-Watt PC Power Supplies

†† 80 Plus Energy Efficient 80 PLUS

2081764


1955941

427928

2110254

2126045

2126088

AT Power Supplies

*Web Code: HCA

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/Amps)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing 1	5	25
2081764	Magic	MPI-925A*	200	+5/20, +12/7.5, -12/1, -5/1	85-265 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 116)	UL/CUL/TUV/CE	6.0 x 5.6 x 3.4	3.3	**$39.95**	**$35.95**	**$31.95**
249754	Sparkle	SPI-300G	300	+5/30, -5/0.5A, +12V/12A, -12V/0.5A	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 116)	UL/CSA/TUV FCC	5.5 x 5.9 x 3.4	3.5	**64.95**	**58.95**	**52.95**
2081861	Pacific Power	KPP400-29	400	+5/42, +12/14, -5/1, -12/1	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 116)	CUL/TUV/CE	5.5 x 6.0 x 3.5	4.6	**64.95**	**57.95**	**49.95**

ATX Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing 1	5	25
1955941	Magic Power Tech	MPI-806Hℛ*	60	+3.3/6, +5/8, +12/3, +5VSB/0.75, -12/0.5	90-264 @ 47-63 switching	Connector, CN1-CN3	UL/CB/TUV	5.0 x 3.1 x 1.5	1.0	**$89.95**	**$84.95**	**$79.95**
2081887	Enhance	ENP-0185T	150	+3.3/7, +5/12, +12/5, +5VSB/0.8, -5/0.2, -12/0.3	200-240 @ 50	3-prong AC receptacle (P/N 38050, pg 116)	CUL/TUV/CE	7.5 x 3.3 x 1.7	2.5	**19.95**	**17.95**	**16.49**
2081879	Pacific Power	KPT230C-4A	230	+3.3/15, +5/25, +12/9, +5VSB/1A, -5/1, -12/1	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 116)	CUL/TUV/CE	8.0 x 4.0 x 1.6	3.0	**14.95**	**13.49**	**11.95**
2110422	Sparkle	SPI2501UH-B204ℛ†	250	+3.3/16 +5/18, +12v1/16, +12v2/16 -12/0.8, -5/0.3, +5VSB/2.5	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 116)	UL/CSA/TUV/ CE/CB††	7.5 x 3.9 x 1.6 (1U)	2.9	**69.95**	**66.95**	**63.95**
427928	Seasonic	SS-300SFD Active PFCℛ*†	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 116)	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	**54.95**	**52.49**	**49.95**
2110238	Sparkle	ATX-300PA-B204ℛ†	300	+3.3/20, +5/20, +12v1/16, +12v2/16 -12/0.3, +5VSB/2.5	115 @ 57-63, 230 @ 47-53	3-prong AC receptacle (P/N 38050, pg 116)	UL/CSA/TUV/CB	5.5 x 5.9 x 3.4	3.3	**39.95**	**36.95**	**32.95**
2110254	Sparkle	ATX-400PA-B204ℛ*†	400	+3.3/20, +5/14, +12v1/18, +12v2/18 -12/0.3, +5VSB/2.5	115 @ 57-63, 230 @ 47-53	3-prong AC receptacle (P/N 38050, pg 116)	UL/CSA/TUV/CB	5.5 x 5.9 x 3.4	3.8	**49.95**	**44.95**	**42.95**
2126037	Coonix	PSCO-500	500	+12V1/14, +12V2/14, +5/20 +3.3/16, -12/0.39, +5VSB/2A	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 116)	CE/CB/TUV	5.5 x 5.9 x 3.4	3.6	**49.95**	**44.95**	**39.95**
2126045	Coonix	PSCO-600*	600	+3.3/15, +5/16, +12V1/19 +12V2/19, -12/0.3, +5VSB/2.0	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 116)	UL/CSA/CE/CB	5.5 x 5.9 x 3.4	3.6	**59.95**	**53.95**	**48.95**
2126088	Apower	AK800ℛ*	800	+3.3/25, +5/28, +12/18, +12/28, -12/0.5, +5VSB/3	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 116)	FCC/CE	10.8 x 6.8x 4.0	4.3	**69.95**	**62.95**	**56.95**

* See photo above † Comes with SATA ready connector †† 80 Plus energy efficient

ATX Power Cable

For other Power Cables and Adapters, see pages 163-164

Part No.	Description	Length	AWG	Pricing 1	5	25
1955950	20-pin ATX, 4-pin Molex type (for P/N 1955941)ℛ	11.5"	18	**$19.95**	**$17.95**	**$15.95**
170238	20-pin ATX extension cable (female to male)ℛ	15"	18	**7.95**	**7.55**	**6.95**

JAMECO ValuePro

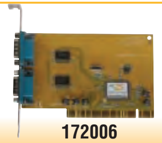
1955950

170238

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Interface, Graphic & External Sound Cards

★Web Code: VBB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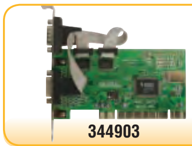
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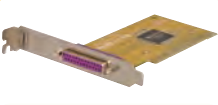
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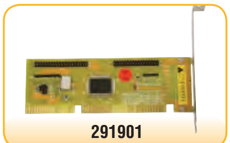

291901

2124939

Part No.	Manufacturer	Product No.	Bus Type	Ports	Connectors	Description	1	10
172006	ValuePro	99467-Rℛ	PCI	2	DB9	Serial Interface Card, 32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male	**$29.95**	**$26.95**
344903	SYBA	SD-PCI-1S	PCI	2	DB9	Serial Interface Card, 32-bit PCI bus, dual DB-9 male, Nm9835CV chipset	**27.95**	**24.95**
2123080	ValuePro	U10-00075ℛ	PCI	1	DB25	Parallel Interface Card, 16-byte FIFO, 2.7MBps transfer rate, IEEE 1284-1994, supports ECP/EPP/SPP/BPP, Windows®/Linux	**19.95**	**17.95**
364111	ATI	109-54100-00	PCI	2	HDDB15	Video Graphics Card, 8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows® 98 and NT 4.0 compatible	**17.95**	**16.49**
291901	ValuePro	MCT-IDEFH-2	ISA	4	Multiple	I/O Controller Card, 16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kB to 1.44MB, jumper selectable for enabling and disabling ports	**3.95**	**3.49**
2124939	ValuePro	AA1570ℛ	USB	—	Multiple	External Sound Card, 7.1 ch. sound box, line/mic-in, record & playback, external audio control, S/PDIF-in/out	**42.95**	**39.95**

Computer Cables on page 163-164

Computer Switchboxes

Miscellaneous Computer Switchboxes

★Web Code: CAK

Part No.	Mfr.	Product No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	5
20095	ValuePro	40D3-17602	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	**$12.95**	**$11.95**
310818	ValuePro	USB-2PORT	2-way USB switchbox	1 USB-B female; 2 USB-A female	5.1 x 3.7 x 1.8	2.5	**6.95**	**5.95**

20095

310818

Mice, Keyboards & Keypads

★Web Code: LBU

685943

305082

2006650

265447

685943

685943

1537109

265375

Part No.	Manufacturer	Mfr. Part No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	Dell	OW7751	Mech. Ball	USB	3-button mouse with scroll, black	4.8 x 2.5 x 1.5	**$6.49**	**$5.95**	**$5.49**
305082	IOne	Libra-90	Trackball	PS/2	PS/2 trackball mouse with USB adapter, black	5.6 x 4.7 x 1.9	**24.95**	**22.95**	**19.95**
2006650	IOne	MSM9UP-BLKℛ	Optical	USB-PS/2	3-button mouse with scroll, black	4.5 x 2.3 x 1.5	**8.95**	**7.95**	**6.95**
265447	Memorex	32022378	Optical	PS/2	Wireless, 5 button optical scrollpro w/ PS/2 to USB adapter	4.9 x 3.0 x 1.6	**14.95**	**14.49**	**13.95**
681230	NMB Tech.	RT915CTW	Keyboard	PS/2	104-key w/12 function keys & built-in SRS 3D speakers, beige	18.5 x 10.0 x 3.2	**9.95**	**8.95**	**7.95**
454483	Powmax	HB5103	Keyboard	PS/2	104-key w/18 hotkeys, 3-button optical scroll mouse & speaker set	17.1 x 6.1 x 1.0	**11.95**	**10.95**	**9.95**
1537109	Arctic	Panova 25551	Keypad	USB	18-key numerical pad, plug and play, black	4.3 x 3.0 x 0.5	**9.95**	**8.95**	**7.95**
265375	IOne	Scorpius-22	Keypad	RS232(DB9)	22-key numerical pad, tilt-adjustable, IBM/PC compatible, black	4.3 x 3.0 x 0.5	**39.95**	**35.95**	**31.95**

CPU Cooling Fans without Heat Sinks

★Web Code: MBG

2125886

Part No.	Description	Size (H" x W" x D")	1	10
2125878	For socket 370 PIII, 12V@.17A, 3pin conn.*	3.15 x 2.55 x 1.00	**$2.95**	**$2.75**
2125886	For socket 370 PIII, 12V@.17A, 3pin conn.#	3.15 x 2.55 x 1.00	**2.95**	**2.75**

*Intel P/N: A50441-002 #Intel P/N: A50933-003

Business Card CD-R Kit

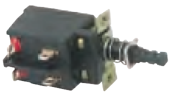
Differentiate yourself or your business from others. This kit includes 12 50MB capacity CD-R and sleeves, 16 labels and label design software. A great way to promote your business in trade shows and exhibits. Easy to carry and cost-effective.

Part No.	Description	1	10
249308	Do-It-Yourself Business Card CD-R kit	**$2.25**	**$1.99**

Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switch

- Contacts rated at 250VAC
- Alternate action double pole switch
- UL/CSA/VDE approved
- Current: 8A
- Size: 0.9"L x 0.7"W x 0.9"D



Part No.	Product No.	1	10	100
174238	PSD-1-2S8	**$.99**	**$.89**	**$.79**

PC Rocker Switch

- For mini-tower cases
- Contacts rated at 250VAC
- UL/CSA approved
- Current: 10A
- DPST
- Size: 0.9"L x 1.2"W x 1.4"D

Part No.	Product No.	1	10	100
127028	GRK-618A	**$.99**	**$.89**	**$.79**

★Computer Brackets Available Online — Enter Web Code PCS

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Computer Cables and Adapters

134042

66174

67257

181295

132346

180698

180742

180582

387954

141284

31722

155352

1944994

10604

130025

205655

28549

175848

175839

Extension Cables

★Web Code: CCS

- All lines connected straight through

Part No.	Description	Length (ft.)	Color	1	10	100
2075971	DB9 male-to-female w/ thumbscrews and filter, w/ green connectors	6	Black	$3.95	$3.49	$2.95
199639	DB9 male-to-female w/ thumbscrewsℛ	6	Black	5.25	4.75	4.25
25701	DB9 male-to-female w/ thumbscrewsℛ	6	Beige	5.95	5.35	4.79
148516	DB9 male-to-female w/ thumbscrewsℛ	10	Beige	6.95	6.25	5.49
181666	DB9 male-to-maleℛ	10	Beige	6.95	6.25	5.49
181286	DB15 male-to-maleℛ	6	Gray	6.55	5.95	5.25
181359	DB15 male-to-femaleℛ	6	Gray	5.49	4.95	4.45
134042	HDDB15 male w/ thumbscrews to female w/ nutsℛ	6	Beige	4.95	4.49	3.95
66165	HDDB15 male-to-female w/ thumbscrews	6	Beige	7.95	6.95	6.25
148532	HDDB15 male-to-female w/ thumbscrewsℛ	10	Beige	8.95	7.95	6.95
66174	HDDB15 male-to-maleℛ	6	Beige	6.49	5.95	5.49
148523	HDDB15 male-to-maleℛ	10	Beige	6.95	6.49	5.95
224267	DB25 female-to-female w/ thumbscrewsℛ	6	Gray	7.95	6.95	6.49
164291	DB25 male-to-female w/ thumbscrews	3	Gray	3.95	3.55	3.05
175291	DB25 male-to-female w/ thumbscrewsℛ	3	Black	3.95	3.55	3.05
67257	DB25 male-to-female w/ thumbscrewsℛ	6	Gray	7.49	6.49	5.49
39511	DB25 male-to-female w/ thumbscrewsℛ	10	Gray	7.95	6.95	5.95
177279	DB25 male-to-female w/ thumbscrews	15	Gray	8.95	7.95	6.95
101996	DB25 male-to-female w/ thumbscrewsℛ	25	Gray	11.95	10.75	9.65
174001	DB25 male-to-male w/ thumbscrews	3	Black	4.95	4.45	3.95
65788	DB25 male-to-male w/ thumbscrewsℛ	6	Gray	6.95	6.49	5.95
179979	DB25 male-to-male w/ thumbscrews	15	Gray	5.95	5.25	4.75
67071	DB25 male-to-male w/ thumbscrewsℛ	25	Gray	7.95	7.49	6.95
181295	DC37 male-to-femaleℛ	6	Gray	5.95	5.35	4.75

Serial Cables

132346	DB9 female-to-female w/ thumbscrewsℛ	6	Beige	$4.95	$4.45	$3.95
196366	DB9 female-to-female w/ thumbscrewsℛ	10	Beige	6.95	6.25	5.49

Monitor Cable

66157	DB9 male-to-male w/ thumbscrews	6	Beige	$3.95	$3.49	$2.95

Serial Null Modem Cables

★Web Code: ABE

181404	DB9 female to femaleℛ (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	6	Gray	$5.55	$4.95	$4.49
180698	DB9 female to femaleℛ (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	10	Gray	6.75	5.95	5.45
181438	DB25 male to DB9 female (2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8)	6	Gray	4.95	4.49	3.95
180742	DB25 female to DB9 female (1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8)	10	Gray	4.95	4.49	3.95
180582	DB25 male to DB9 female (2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8)	10	Gray	5.95	5.35	4.75

USB-A to DB9 Male Serial Cable/Adapters

★Web Code: NAV

387954	DB9 male with jackscrewsℛ	2	Gray	$16.95	$15.95	$13.95
2115346	DB9 male with thumbscrewsℛ	6	Gray	18.95	16.95	14.55

Monitor/Mouse/Keyboard/Switch Box Cable (KVM)

★Web Code: HAE

Part No.	Description	Length (ft.)	Color	1	5
141284	HDDB15 male/female 5-pin DIN male/female DB9 male/female	6	Black	$9.95	$8.95

73155

2115645

2114301

2114407

2125801

AT Adapter Serial Cables

Part No.	Description	Length (ft.)	Color	1	10	100
109584	DB9 female to DB25 maleℛ	1	Beige	$2.95	$2.65	$2.25
189333	DB9 female to DB25 maleℛ	3	Beige	3.25	2.95	2.49
31722	DB9 female to DB25 maleℛ	6	Beige	4.95	4.49	3.95
1945575	DB9 female to DB25 male	6	Gray	3.49	2.95	2.49
155522	DB9 female to DB25 maleℛ	10	Beige	5.95	5.35	4.79

USB-A/DB25 Male to Centronics Parallel Printer Cables

2125131	USB to bidirectional DB-25 femaleℛ	6.5	Black	$14.95	$13.95	$12.95
155352	36-pin male centronics to USB-A (USB1.0)	6	Gray	7.95	6.95	5.95
130067	DB25 male to 36-pin centronics male	6	Gray	2.25	2.09	1.95
28716	DB25 male to 36-pin centronics male	6	Gray	3.49	2.95	2.49

Printer and Keyboard Cables for Mac®

1944994	8-pin DIN male (with EMI)	3.3	Black	$1.95	$1.75	$1.49
10604	8-pin DIN male	6	Gray	3.95	3.49	3.05
130025	8-pin DIN maleℛ	10	Gray	4.95	4.49	3.95

PS2 and AT Cables

★Web Code: HAE

177261	6-pin mini DIN male to male	2	Gray	$1.95	$1.75	$1.49
174772	6-pin mini DIN male to male	6	Black	2.95	2.49	1.95
174908	6-pin mini DIN male to male	6	Beige	3.49	2.95	2.49
112628	6-pin mini DIN male to maleℛ	10	Beige	5.95	5.49	4.95
205655	6-pin mini DIN male to male	25	Beige	6.49	5.95	5.25
28549	6-pin mini DIN male to femaleℛ	6	Beige	4.75	4.25	3.95
111053	6-pin mini DIN male to female	10	Beige	4.95	4.49	3.95

IEEE Firewire

★Web Code: FAE

175839	4-pin to 6-pin	6	Black	$2.95	$2.75	$2.49
175848	6-pin to 6-pinℛ	6	Black	4.95	4.49	3.95

IEEE 488

★Web Code: EAJ

73155	24-pin GPIBℛ	3.3	Gray	$39.95	$35.95	$31.95
115782	24-pin GPIBℛ	6.6	Gray	41.95	36.95	32.95
115802	24-pin GPIBℛ	13.1	Gray	42.95	37.95	33.95

External Serial ATA

2115645	7-pin to 7-pinℛ	3	Black	$4.95	$4.49	$3.95
2115653	7-pin to 7-pinℛ	6	Black	5.95	5.49	4.95

SATA Data Cables

★Web Code: SAC

2114386	7-pin right angle/straight	1.6	Red	$2.49	$2.25	$1.95
2114301	7-pin straight/straight	1.6	Trans. red	2.49	2.25	1.95
2114407	7-pin straight latching/straight latching	1.6	Red	2.49	2.25	1.95

Disk Drive Cables

★Web Code: TAE

Part No.	Description	Length (ft.)	1	10	100
32686	40-pin (IDE)	1.5	$1.95	$1.49	$1.25
32715	50-pin (SCSI)	1.5	3.95	3.49	2.95
2125801	34-pin floppy and 39-pin HD (Ultra ATA)	0.9 / 1.5	2.95	2.49	1.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

Computer Cables and Adapters (Continued)

USB-A (M) to USB-A (M)

USB-A (M) to USB-B (M)

USB-A (M) to USB-A (F)

2095218

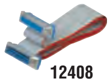
2119769

2119777

2119689

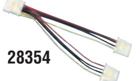
2119697

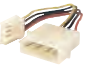
316806


12408

168613

170238


28354


28397

2114343

2114351

2114378

USB Cables

★Web Code: NAV

Part No.	Description	Length (ft.)	Color	1	10	100
326474	USB-A male to male (2.0)ℛ	3	Beige	$1.19	$1.09	$.95
2150985	USB-A male to male (2.0)	6	Blue	1.49	1.35	1.19
229682	USB-A male to male (2.0)ℛ	6	Beige	1.95	1.75	1.59
222033	USB-A male to male (2.0)	6	Black	1.95	1.75	1.59
229690	USB-A male to male (2.0)	10	Beige	2.09	1.89	1.69
229569	USB-A male to male (2.0)	10	Clear	2.09	1.89	1.69
222050	USB-A male to male (2.0)	15	Black	3.25	2.95	2.65
326482	USB-A male to female (2.0)ℛ	3	Beige	1.95	1.75	1.59
229771	USB-A male to female (2.0)ℛ	6	Beige	2.09	1.89	1.69
222068	USB-A male to female (2.0)	6	Black	2.09	1.89	1.69
229623	USB-A male to female (2.0)ℛ	6	Clear	2.09	1.89	1.69
229789	USB-A male to female (2.0)ℛ	10	Beige	2.45	2.19	1.95
222076	USB-A male to female (2.0)	10	Black	2.45	2.19	1.95
229797	USB-A male to female (2.0)ℛ	15	Beige	3.25	2.95	2.65
222084	USB-A male to female (2.0)	15	Black	3.25	2.95	2.65
229711	USB-A male to USB-B male (2.0)ℛ	3	Beige	1.95	1.75	1.59
222608	USB-A male to USB-B male (2.0)ℛ	3	Black	1.95	1.75	1.59
229585	USB-A male to USB-B male (2.0)	3	Clear	1.95	1.75	1.59
229730	USB-A male to USB-B male (2.0)ℛ	6	Beige	2.95	2.49	1.95
222010	USB-A male to USB-B male (2.0)ℛ	6	Black	2.09	1.89	1.69
229594	USB-A male to USB-B male (2.0)ℛ	6	Clear	2.09	1.89	1.69
229738	USB-A male to USB-B male (2.0)ℛ	10	Beige	2.35	2.09	1.85
222018	USB-A male to USB-B male (2.0)ℛ	10	Black	2.35	2.09	1.85
229607	USB-A male to USB-B male (2.0)ℛ	10	Clear	2.35	2.09	1.85
229762	USB-A male to USB-B male (2.0)ℛ	15	Beige	3.25	2.95	2.65
222026	USB-A male to USB-B male (2.0)ℛ	15	Black	3.25	2.95	2.65
2095218	USB-A male to USB-B male (3.0)ℛ	6	Black	5.49	4.95	4.49
2095226	USB-A male to USB-B male (3.0)ℛ	10	Black	6.95	6.49	5.95
2144841	USB-A male to 5-pin mini USB-Bℛ	4	Black	2.19	1.75	1.59
2081481	USB-A male to 5-pin mini USB	5.5	Black	2.25	1.95	1.65
673694	USB-A male to 5-pin mini USBℛ	6	Black	2.75	2.45	2.25
2144833	USB-A male (dual) to 5-pin mini USB-Bℛ	2	Black	4.95	3.95	2.95
2135064	USB-A male to USB micro-B	3	Black	2.95	2.65	2.39

USB Adapters

Part No.	Description	Length (ft.)	Color	1	10	100
2119769	USB-A male to 5-pin mini USB female	1. 4	Black	$2.49	$2.35	$2.19
2119777	USB-A female to 5-pin mini USB female	1.4	Black	2.49	2.35	2.19
2119689	USB-A male to 5-pin mini USB male	2.0	Black	1.95	1.75	1.59
2119697	USB-A female to 5-pin mini USB male	2.0	Black	1.95	1.75	1.59

USB Gender Adapter

316806	USB A female to female	1.5	Beige	$2.95	$2.65	$2.39

Ribbon Cable Assemblies

★Web Code: VAA

Part No.	Description	Length (ft.)	1	10	100
12408	DB25 male to female (28AWG)ℛ	4	$5.49	$4.95	$4.49
208582	DB9 male to female (28AWG)ℛ	6	4.95	4.49	3.95

CD-Rom Audio Cable

168613	Universal, 3&4-pin connector w/ 3 conductorsℛ	1.6	$.99	$.95	$.89

Disk Drive Power Splitter and Adapters

★Web Code: OAE

28354	4-pin molex male to 2 female, 18AWG (5.25")ℛ	0.5	$2.75	$2.49	$1.95
277528	4-pin molex male to 2 female, 20AWG (5.25")	0.5	1.95	1.75	1.49
28397	4-pin molex male to 4-pin female FDD, 22AWGℛ	0.3	2.95	2.49	1.95
72304	4-pin molex male to 2 female, 4-pin FDD, 22AWGℛ	0.4	3.75	3.49	2.95

AT/ATX Power Supply Extension Cables

170238	20-pin male to female (18AWG)ℛ	1.2	$7.95	$7.55	$6.95

SATA Disk Drive Power Adapters

★Web Code: SAD

2125894	4-pin molex male to 15-pin straight female (SATA)	0.5	$1.75	$1.59	$1.39
2114343	4-pin molex male to 15-pin straight female (SATA)	0.5	2.65	2.39	2.09
2114351	4-pin molex male to dual 15-pin straight female (SATA)	0.5	3.49	2.95	2.49
2114378	4-pin molex male to 15-pin right angle female (SATA)	0.5	2.65	2.39	2.09

3.5" TFT LCD Test Monitor

The unit is also wearable, leaving both hands free to work, and it features an OSD for brightness & contrast. Accessories for this LCD include the Armful Bag, BNC with cable, power cable & battery case.

- High resolution (960W x 234H mm dots) flat screen
- Video signal: NTSC/PAL auto switch
- Power consumption: 2W max.
- Backlight: LED 6 type
- Input signal: 1Vp-p, 75
- ABS HB plastic caseΩ
- Power supply: (8) AA batteries or 12VDC adapter
- Outlook size: 96mmL x 98mmW x 25mmD
- Weight: 1.37 lbs. with accessories and package

Part No.	Product No.	1	5
2111898	15-MC04	$199.95	$189.95

JAMECO ValuePro

Audio/Video Transmitter

- Converts impedance of video/audio signals to 100Ω for transmission over CAT 5 UTP cable
- Support both NTSC or PAL video signals
- Signal pairs: video (BNC), CAT pairs 4(RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA), CAT pair 2 (RJ45)

Includes: Mounting hardware

Part No.	Description	1	5
220881	BNC/RJ45ℛ	$17.95	$16.49

2.4GHz Wireless Audio/Video Transmitter & Receiver

- 4-ch transmitter selectable/ 4-ch receiver viewable
- Video input/output: 1Vp-p composite @ 75Ω
- Audio input/output: 2Vp-p typical, 2.7Vp-p max. @ 600Ω
- RF impedance: 50Ω
- Size: 4.3"W x 3.4"D x 1.2"H

Includes: 12V wall adapter, antenna & mounting hardware

2115784

2115784: Transmitter
- Current consumption: 350mA typical; 650mA at start-up
- Output power: 1 watt
- Alarm input: TTL/CMOS (level detection)

2115709

2115709: Receiver
- Sensitivity: -82dBm typical
- Current consumption: 250mA typical

179864: 3dB gain

2081633: 3dB gain

★Web Code: XBE

Part No.	Description	1	5
2115784	2.4GHz wireless trans.ℛ	$149.95	$134.95
2115709	2.4GHz wireless receiver	89.95	79.95
179864	2.4GHz SMA RF antenna	4.95	4.69
2081633	2.4GHz SMA antenna	1.49	1.25

USB Wireless Audio Adapter

Wirelessly transmit music from your PC or Notebook to any room or directly to your headphones. Instant wireless audio system in minutes!

- Transmitter distance of 135 ft.
- No more wires or cables to connect
- Proprietary 2.4GHz wireless solution
- Easy system expansion with stereo sound support
- Supports Windows® 2000, XP, and Vista
- Plug and Play, quick and convenient use, no driver/ software installation required
- 3.5mm jack

★Web Code: WLS

Part No.	Mfr. Part No.	1	5
2120882	WA2200ℛ	$42.95	$39.95

Jameco carries a wide variety of cables and connectors for all of your audio and video needs! See pages 57-58 for our complete selection.

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Mini DVR Cameras

Sound Activated Recording

- Take JPEG snapshots or AVI video
- Store files to micro SD card
- USB connection for retrieving files & charging
- 90 minutes of available space for recorded video and audio files • Built-in lithium battery
- 30 FPS for 720 x 480 resolution • FOV: 62˚
- Color CMOS camera, 1.0 lux • Compatible with Windows® ME, 2000, 2003, XP, Vista, Mac OS 10.4

2124517/2145094:

- Battery life 115 mins. • Sound activated recording

Includes: Micro SD card, USB cable and mounting accessories

2143953: Micro SD card not included

- Battery life 60 mins. • Covert keychain camera

Part No.	Product No.	1	5
2143953	CAMCOLVC8Nℛ	**$44.95**	**$42.95**
2124517	EC-MINIDVR (4GB)ℛ	**69.95**	**65.95**
2145094	P2009HD2-BP (16GB)ℛ	**79.95**	**74.95**

Mini Waterproof Color CCD Camera

This miniature weatherproof color camera is perfect for all wet area applications and can be mounted outdoors without the need for an additional housing or cover.

- 3.6mm F2 lens • 0.5 lux @ F1.2
- 1/4" CCD imaging chip • 420 line resolution
- Built-in electronic iris control

Requires: 12VDC @ 140mA power supply (recommend P/N 162996, pg 105)

Part No.	Product No.	1	5
2124891	EC-597ℛ	**$99.95**	**$94.95**

Color Camera with 8mm Lens

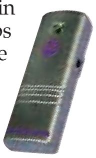
- 1/3" color Sony super HAD CCD
- Horizontal res: 420 lines
- Min. illumination: 0.05 lux
- Electronic shutter: 1/60 ~1/120,000 sec. • S/N ratio: 50dB
- 510(H) x 492(V) EIA signal format
- Auto iris lens: DC drive/video driver
- Video output: 1Vp-p, 75Ω • Audio output: 2Vp-p max.
- Auto-tracing white balance • Vertical freq.: 60Hz
- Backlight, auto-gain switch selectable

Power Requirements: 12VDC @ 150mA

Part No.	Product No.	1	5
2128112	15-CC25	**$129.95**	**$119.95**

P3 INTERNATIONAL

Camera Detector



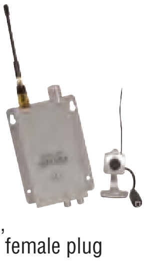
The easy to use P3 camera detector fits in the palm of your hands. Discreet sweeps of the home, office, or hotel room can be done quickly and efficiently. When a camera is discovered, an LED flickers and an audible alarm sounds

- Multi-channel scanning
- Auto sensitivity tuner • Audible LED alarm
- Detects frequencies from 50MHz to 3GHz
- Size: 3.25"L x 1.25"W x 0.75"T
- Power requirements: 2 CR2032 batteries (included)

Part No.	Mfr. Part No.	1	10
2096157	P7030ℛ............................	**$29.95**	**$26.95**

Mini Wireless Color Camera

With Built-In Microphone



- Receiving frequency: 2.4GHz
- Video output: 1Vp-p, 75Ω
- Audio output: 200mVp-p, 10kΩ
- Power consumption: <2W
- Tuning knob on receiver for fine tuning picture

Includes: 8VDC @ 500mA & 12VDC @ 500mA adapter, receiver with antenna, mounted color camera, 9V battery clip with 1.3mm x 3.5mm female plug

Part No.	Description	1	5
2144999	Mini wireless, 2.4GHz	**$59.95**	**$54.95**

Jameco ValuePro

Waterproof Tube-Style IR Color Camera

NTSC Format

- Auto white balance and gain control
- 1/4" CCD image sensor
- Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- 880 ~ 940nM infrared wavelength
- 512(H) x 492(V) • 4.3mm lens with F1.8
- For indoor and outdoor use
- 420 horizontal line resolution • S/N ratio: >48dB
- 59.94Hz vertical freq. • Internal synchronization
- Video output: 1Vp-p, 75 • Size: 2.1"Dia. x 3.8"L
- Up to 1/100,000 sec. electronic shutter

Requires: 12VDC @ 160mA power supply (recommend P/N 162996, pg 105)

Includes: Mounting hardware

Part No.	Product No.	1	5
319901	15-CM25WM	**$119.95**	**$109.95**

Mini Pinhole Color Camera w/ Audio

- 1/3" CMOS sensor
- 510(H) x 492(V), NTSC
- 380 TV lines, 3 lux/F1.2
- Video output: 1Vp-p, 75Ω
- Electronic shutter: 1/50 sec. to 1/100,000 sec.

Includes: 8V @ 500mA power adapter, 9V battery clip with 2.1mm x 5.5mm female plug

Part No.	Product No.	1	5
2115362	CM203CA	**$29.95**	**$26.95**

Mounting Bracket for Enclosed Camera

- Material: white plastic • 1/4" x 20 unf.
- Swivel angle: 360˚ • Tilt angle: 90˚
- For use with enclosed cameras

Part No.	Max Load	Height	1	5
170982	6.6 lbs.	2.0"	**$2.49**	**$2.25**

TTL Serial JPEG Camera w/ NTSC Video

This camera module outputs NTSC video and can take snapshots of that video and transmit them over the TTL serial link. You can also take up to 640 x 480 resolution pictures and pre-compress them for quick and easy storage. Perfect for data-logging, security, or photography projects.

- Manually adjustable focus • 30MP CMOS
- Progressive scan mode • Motion detection

Part No.	Mfr. Part No.	Size	1	5
2144340	P7030ℛ	1.25" x 1.25"	**$49.95**	**$46.95**

SONY® Color CCD Camera

Sony Chipset

- 1/3" Sony super HAD CCD sensor
- 510(H) x 492(V), NTSC
- Minimum illumination: 0.5 lux @ F2.0
- Furnished mini lens: 3.6mm
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Video output: 1Vp-p, 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 100095, pg 106)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	5
213436	Enclosed color camera	**$144.95**	**$139.95**

★*Cameras — Enter Web Code MBB*

★*Video Accessories — Enter Web Code YBE*

Jameco ValuePro

8-Megapixel Webcams with Built-In Microphone

- USB interface with 4ft cable
- Adjustable mounting
- 30 fps
- Compatible with QQ, Skype, MSN, etc.
- Video capture software included

Part No.	Mfr. Part No.	Case Color	1	5
2135873	X193UA-BK	Carbon fiber ..	**$19.95**	**$17.95**
2138062	X193UA-RD	Red	**19.95**	**17.95**

DFROBOT

Pan & Tilt Assembly

- For horizontal surface mount
- Aluminum multifunction bracket

2144518:

2144518

- 5.5kg/cm @ 6V
- Ball bearing servos
- 100-800mA
- Rotation: 0-360°

2144526:

2144526

- 15kg/cm @ 7.2V
- Metal gear servos
- 180-220mA
- Rotation: 150° horizontal/150° vertical

Part No.	Product No.	1	5
2144518	FIT0045	**$35.95**	**$33.95**
2144526	FIT0046	**44.95**	**41.95**

Go-Rock Mobile Speakers

iPod not included

- Connect iPod or any music player with standard 3.5mm audio plug
- Built-in retractable charging cable and 3.5mm audio cable
- Ultra portable, convenient for on-the-go listening
- 6 hours per charge
- Power output: 4 watts • Size: 3.8"H x 2.0"Dia.

Includes: Speakers, USB charging port & user manual

Part No.	Mfr. Part No.	1	5
2128403	U10-00216	**$19.95**	**$18.95**

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

2, 4, 6, 7, 8 & 12-Outlet Surge Protectors

2-Outlet Travel Surge Protectors

2114618:
- $50,000 Ultimate Lifetime Insurance
- Retractable plug • Modem/fax protection

2114626/2114634:
- $100,000 Ultimate Lifetime Insurance
- In-line connection for notebooks
- Modem/fax protection with splitter (1-line in/2-lines out)

2114618

2114626

2114634

Part No.	Mfr. Part No.	Joules	Description	Size (L"xW"xH")	Wt. (lbs.)	1	5
2114618	Travelerℛ	1050	2 outlet w/ phone	1.75 x 2.5 x 3.5	0.3	$9.95	$8.95
2114626	TravelerC6ℛ	1130	3-prong, in-line	1.0 x 4.25 x 1.75	0.2	14.95	12.95
2114634	TravelerC8ℛ	1130	2-prong, in-line	1.0 x 4.25 x 1.75	0.2	14.95	12.95

Isobar *Premium Surge Protectors*

ULTIMATE LIFETIME INSURANCE

- Up to $50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4 & 6-outlet protectors: 6' cord; 8 & 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed
- Lifetime warranty

18981: • Size: 5.8"L x 3.5"W x 2.5"H
2114669: • 2-line telephone/DSL protection • Size: 7.0"L x 3.5"W x 2.5"H
19001: • Size: 9.0"L x 3.5"W x 2.5"H
139686: • Fits 19" rack mount • Size: 17.5"L x 4.0"W x 1.8"H

2114669

19001

139686

isobar® MADE IN USA

Part No.	Mfr. Part No.	Joules	Description	Wt. (lbs.)	1	5
18981	ISOBAR4ℛ	2200	4 outlet, 2 isolated filters (6')	2.4	$46.95	$44.95
2114669	ISOTEL6Uℛ	2850	6 outlet, 3 isolated filters	3.3	59.95	54.95
19001	ISOBAR8U	2350	8 outlet, 4 isolated filters (12')	3.5	74.95	66.95
139686	IBAR12RMℛ	750	12 outlet, 2 isolated filters (15')	4.7	139.95	129.95

Super 7 Standard Surge Protector – 7 Outlet

- $75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes
- Effective spike and noise suppression w/ diagnostic LEDs

Part No.	Mfr. Part No.	Joules	Size (L" x W" x H")	Wt. (lbs.)	1	5
124337	Super7	2350	10.5 x 2.5 x 1.5	1.6	$19.95	$17.95

12-Outlet Power Strip

- No surge suppression
- Lighted/protected switch
- 15' cord • Size: 36"L x 1.5"W x 1.5"D

Part No.	Mfr. Part No.	Electrical Rating	Outlet Spacing	Wt. (lbs.)	1	5
2114642	PS3612ℛ	1800W (15A)	2.638"	3.8	$44.95	$42.95

5 & 6-Outlet Surge Protectors

20175: 6-outlet; 4' cord
- Metal power strip • Size: 12.3"L x 2.4"W x 1.3"H

2135611: 6-outlet; 2.5' cord
- Size: 10.5"L x 1.7"W x 1.1"H
- Clamping voltage: 700V
- Resetable circuit breaker, 15A

216485: 6-outlet; 4' cord
- Heavy-duty power cord (14AWG x 3)
- Size: 9.5"L x 1.7"W x 1.4"H
- Clamping volt.: 400V • Max. surge voltage: 6500V
- RESET/OFF switch with built-in 15A circuit breaker

2135662: 5-outlet; 2 RJ11; 4' cord
- Clamping volt.: 600V • Max. surge curr.: 10,000A
- Size: 12.5"L x 2.3"W x 1.3"H

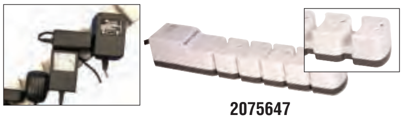
2075647: 6-outlet; 6' cord
- Rating: 15A/125VAC/1875W
- Clamping voltage: 330V
- Size: 13"L x 2.1"W x 2.3"H
- Expands from 13" to 18" to fit bulky adapters; each segment expands separately

20175

2135611

216485

2135662


2075647

Part No.	Mfr.	Product No.	Spike Current (Max.)	Wt. (lbs.)	1	10	25
20175	ValuePro	51W1-13206	4500A, 50 joules	1.5	$10.95	$9.95	$8.95
2135611	Centerex	63010	4000A, 140 joules	0.9	8.95	7.95	6.95
216485	ValuePro	51W1-10206	4500A, 150 joules	0.9	12.95	11.49	9.95
2135662	Centerex	54133	10,000A, 990 joules	1.0	12.95	11.49	9.95
2075647	Ideative	SS1650W-06ℛ	144,000A, 2160 joules	1.6	24.95	22.95	20.95

6-Outlet Surge Suppressor with Coax Protection

A wall mount 6-outlet surge protector with coax protection that protects your equipment from electrical surges on power lines as well as protection for coaxial inputs such as TVs, VCRs, and satellite receivers.

Surge protection specifications:
- Electrical rating: 125V/15A/1875W
- Max. spike current: 4500A
- Max. surge dissipation: 200 joules
- Clamping voltage: 400V

Coaxial line surge specifications:
- Max. energy dissipation: 46 joules
- Max. spike current: 1200A

Part No.	Product No.	1	10	25
2132200	ALG242	$6.95	$6.29	$5.59

6-Outlet Power Tap Adapter w/ Surge Protection

- Right angle jacks • 180 joules • Grounded outlets
- Surge protection across line and neutral, line and ground
- Surge protection circuit good LED indicator
- 15A; 125VAC; 1875W • TVSS: 330V

Part No.	Mfr. Part No.	Description	1	5	25
2082214	YE-08A	6-outlet wall surge protector	$4.95	$4.49	$3.95

★Surge Protectors Online — Enter Web Code CAC

Clip-On Lapel Microphone

- For Motorola cell phones and other applications
- 2.5mm male stereo plug

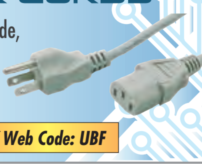
Includes: Ear bud

★Web Code: GCP

Part No.	Cord Length	1	5	25
2078207	3'	$1.95	$1.79	$1.59

BROAD SELECTION OF POWER CORDS

2 & 3 Conductor, Medical Grade, Pigtail, Detachable Power Cords at Industry Low Prices!
Find the entire selection on pages 116.

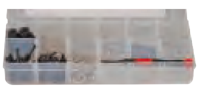


★Web Code: UBF

10-Component 411-Piece Screw Kit

The perfect kit containing an assortment of the most common PC screws, washers, and caps used for building, repairing, and maintaining computer systems.

- 20 rubber washers • 20 rubber rivet washers
- 50 #6.5 x 4 to M3 metal jackscrews
- 50 #6-32x 4mm Philips screws
- 50 case fan mounting screws F5 x 12 TP3
- 50 3 x 6 CD-ROM screws
- 20 #6 x 8 tool-less screws
- 50 #6-32x 6" Philips screws
- 100 2.54mm jumper caps
- 1 precision Philips screwdriver



Part No.	Description	1	5
2120891	411-piece screw kitℛ	$24.95	$21.95

HDD Removable Enclosure

SATA Hot Swappable

- For 5.25" drive bays
- For 3.5" SATA & SATA II hard disks

Part No.	Description	Size (W" x D" x H")	1	5
2120444	SATA	5.9 x 7.8 x 1.7	$12.95	$11.49

SATA External Enclosure

- For SATA 3.5" and 2.5" drives
- Internal fan for cooling drive
- SATA-II compatible

Includes: 20" external SATA cable, 42W dual output table-top power supply w/ a 4-pin DIN connector, power cable & hardware

★Web Code: HDD

Part No.	Description	Size (L" x W" x H")	1	5
2125211	SATA	7.9 x 5.1 x 1.9	$18.95	$16.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

RS-232 to RS-485/422 Bidirectional Converters

117701

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- RS-232: DB25 female connector • Input: 110VAC
- Weight: 0.9 lbs. • One-year warranty

197931: Port powered (power adapter not included)

- Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

Part No.	Mfr. Part No.	1	5
117701	RS-232-485/422	$49.95	$44.95
197931	RS-232-485/422	59.95	53.95
122956	RS-232-485/422 OPT ISO	89.95	80.95

RS-232 to RS-485/422 Bidirectional Converter

- Automatic internal RS-485 bus supervision
- No internal flow control for RS-485 required
- Point-to-point, multi drop, and simplex/duplex link selectable
- Supports transfer speeds of up to 115.2 Kbps
- Supports up to 32 receivers to be set in multi drop installations • Max. 2000V Isolation Protection
- Extends up to 4000 feet through networking cables

Part No.	Mfr. Part No.	1	5
2115733	IC485AI	$89.95	$79.95

*Bidirectional Converters Online — Enter Web Code KEM

AverKey Pro PC-to-TV Converter Box

- Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- Built-in flicker filter
- Resolution: 800 x 600
- TV brightness control
- Compatible w/ Microsoft® Windows® 3.0 and higher
- Weight: 2.2 lbs. • Two-year warranty

System Requirements: VGA-based PC, DOS 3.0 or higher, 640kb RAM or larger

Includes: PC-to-TV converter, adapter, cables & manual

Part No.	Description	Price
167193	Video signal pro	$24.95

USB 2.0 4-Port Hub

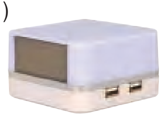
Add multiple high-performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specifications. Fully backwards compatible with USB 1.1 devices.

- Overcurrent detection & protection
- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- 1 upstream & 4 downstream ports
- Connects up to 127 USB devices • Plug-and-play
- Supports Windows® 98SE/ME/2000/ Server 2003/ XP/Vista; MAC® OS 8.6 or higher
- Bus-power & self-power mode used
- Automatic connection & speed detection

Part No.	Mfr. Part No.	1	5
1944687	HU2044ℛ	$12.95	$11.49

USB 2.0 4-Port Hub with Clock and Mood Light

Enjoy high speed connectivity through each of the 4 USB ports. Plug in with a built-in USB and see the color changing mood lights emitted from the hub. There is also a 12-hour clock display for convenient time keeping.



- 4-port USB 2.0 (supports USB1.1)
- Color changing mood light (purple, blue, green, red)
- 12 hour clock display
- Built-in USB cable (approx. 3 ft.)
- Size: 3.5"W x 3.5"D x 2.0"H

Part No.	Description	1	5
2120399	4-port USB hubℛ	$8.95	$7.95

USB 3.0 4-Port Hub

Expands a single USB port into four so that there are more ports available to connect devices to a host system.

- Power: 5VDC (2A) • 5 Gbps
- Certificates: FCC • SuperSpeed certified

System Requirements: Windows® 7, Vista, XP, 2003, 2000, ME/ Mac® OS 10.X/ various Linux Kernels

Part No.	Description	1	5
2119646	USB 3.0 4-port hubℛ	$39.95	$37.95

*USB Hubs Online — Enter Web Code NEM

Compact Multi-Card Reader

This compact multi-card reader is designed for the mobile user for ease of travel and use. Access all types of memory cards without using adapters. Transfer files between your computer and digital devices. Plug and play compatible.

- High speed USB 2.1 (backwards compatible with USB 1.1)
- High transfer rates of up to 480Mbps
- LED power status and indicators
- Supports memory card formats including Compact Flash, Microdrive Extreme III, SmartMedia card, T-Flash, Micro SD, Secure Digital Cards, SD High Capacity, Mini SD card, Multimedia Card (MMC), Multimedia Card II, RS_MMC, Memory Stick PRO DUO, Memory Stick PRO DUO Extreme II, Memory Stick ROM, Memory Stick Select
- Size: 3.4"L x 2.1"W x 0.6"H • Weight: 0.3 lbs.

Includes: Multi card reader and USB cable

Part No.	Mfr. Part No.	1	5
2124525	U10-00062ℛ	$19.95	$17.95

USB 4-Port Squid Hub

Expands a single USB port into four so that there are more ports available to connect devices to a host system.

- Compatible with USB 1.1 & 2.0 interface
- Supports Plug-and-Play function
- Speed: 1.5 Mbps – 480 Mbps

System Requirements: Window® 98, ME, 2000, XP, 7, Vista/ Mac® OS 10.1 or higher

Part No.	Description	1	5
2119654	4-port USB squid hubℛ	$14.95	$13.95

USB to RS-232/422/485 Isolated Converter

With a simple USB connection, you can add an RS-232, an RS-422, and an RS-485 connection.

- High speed 115.2kB/s transmission rate
- Plug-and-play installation
- Compatible with Windows® 98/ME/2000/XP/Vista/7 and Linux

Part No.	Mfr. Part No.	1	5
2128999	I-7561ℛ	$128.95	$121.95

Power Over Ethernet Kit

Power your internet-ready devices while minimizing the amount of wiring. Great for powering IP telephones, security cameras, wireless LAN access points, remote ethernet switches, and much more.

- Generates safe power over standard CAT5e cable
- Fully IEEE 802.3af compliant
- Surge voltage protection on signal pairs
- Data transfer rate: 10/100 Mbps
- 2.1mm DC plug • 12V @ 1A

Includes: PoE Injector, splitter, and AC power cord

Part No.	Mfr. Part No.	Size (L" x W" x H")	1	5
2134424	MG-POE-12	3.4 x 3.0 x 1.4	$64.95	$61.95

USB 2.0 Active Repeater Cables

The repeater cable regenerates the USB signal for maximum reliability and performance over extended distances at maximum transfer rates of 480Mbps.

- Buffers and regenerates upstream and downstream signals.

2075840: Repeater cable length: 5M (16.4 ft.)

- Cascades up to 5 to extend distance to 25m (81 ft.) between USB device and computer

2134416: Repeater cable length: 12M (39 ft.)

- Cascades up to 3 to extend distance to 36m (118 ft.) between USB device and computer
- 3rd repeater cable can support self-powered USB devices whose power consumption is below 950mW (200mA)

Requirements: Desktop or laptop with available USB port, Windows® 98SE/ME/2000/XP or Mac OS X

Part No.	Cross Ref. No.	Length	1	5
2075840	AR2500ℛ	5 meters	$11.95	$10.95
2134416	AR2510	12 meters	19.95	17.95

High Speed USB Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.

- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode • Length: 5m (16 ft.)

Part No.	Cross Ref. No.	1	5
1919174	10U2-24116ℛ	$18.95	$16.95

*USB Cords & Adapters — Enter Web Code: NAV

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

USB Adapters & Rack Mount Products

Data Sync & Power Charge Cable

Universal USB micro-B to USB-A data sync and power charge cable. Synchronize your smartphone to the computer while simultaneously charging it!

- Compatible with most smartphones with a USB micro-B connector
- Length: 3 feet

Part No.	Description	1	10
2135064	USB-A to USB micro-B	$2.95	$2.65

USB Link Adapter

Premier file management and data sharing device with included Go! Suite software.

- Easy file transfer between two PCs
- No file size limitations
- USB 2.0, Plug-N-Play

System Requirements: Windows® 2000, XP (SP2), Vista, Windows® 7, Mac® OS X V10.4 or later

Part No.	Product No.	1	5
2124963	AN2610ℛ	$24.95	$23.95

USB 2.0 to DVI Display Adapter

- Add a monitor, LCD or projector using a USB 2.0 port
- Supports up to 6 USB display adapters simultaneously
- Extend and mirror mode support
- Supports resolution up to 1920 x 1080
- Resumes from hibernate and suspend modes
- Bus powered
- Size: 3.3"L x 2.2"W x 0.7"H

Part No.	Product No.	1	5
2124912	AN2465ℛ	$64.95	$61.95

★ *USB Cords & Adapters — Enter Web Code: NAV*

USB 2.0 to SATA/IDE Combo Adapter

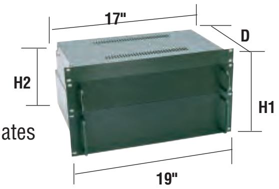
Keep the existing IDE drive while at the same time migrating to the new SATA technology, which provides a transfer rate of up to 150Mbps. Any SATA or IDE drives can be turned into an external USB 2.0 storage device.

- SATA 1.0a and USB 2.0 compliant
- Dual-headed IDE connector (40- and 44-pin) plus one SATA connector that supports 2.5"/3.5"/5.25"
- Operates one IDE and one SATA HDD simultaneously
- External power supply provided

Requirements: IBM compatible Pentium® 233MHz, USB, Windows® 98SE/ME/XP, Mac® OS 8.6 or later

Part No.	Mfr. Part No.	1	5
2075815	AS1200ℛ	$49.95	$44.95

19" Rack Mount Enclosures

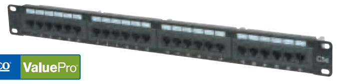


- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813

Includes: Mounting screws

Part No.	Dimensions (In.)			Wt.	Pricing	
	H1	H2	D	(lbs.)	1	5
132813ℛ	1.73	1.25	9.75	6.2	$39.95	$36.95
132822ℛ	3.46	3.00	9.75	7.9	53.95	48.95
132840ℛ	3.46	2.88	11.75	9.1	56.95	51.95
132848ℛ	5.22	4.75	11.75	10.6	59.95	53.95
132864ℛ	8.56	8.00	13.50	15.4	109.95	99.95

19" Rack Mount Cat 5e Patch Panel



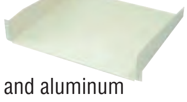
These Cat 5e patch panels feature 110D punch locks that are compatible with KRONE or 110D tools. UL and CUL listed and certified. Cat 5e certified and can be used with T568 A/B installations, color coded blocks for T568 color coding.

Part No.	Description	1	5
208785	24-port patch panelℛ	$27.95	$24.95

★ *Punch-Down Tools Online — Enter Web Code PBC*

Cabinet Mounting Plate for 19" Rack

JAMECO ValuePro

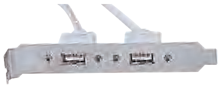


- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Size: 19.0"W x 15.8"D x 3.5"H
- Made of industrial grade steel and aluminum

Part No.	Product No.	1	5
149500	UP02	$34.95	$29.95

USB-A Cables w/ Bracket

JAMECO ValuePro



- Add additional USB ports to your PC
- Dual USB-A female ports
- 8"L cable
- Supports data transfer rates of 12Mbps

Part No.	Description	1	10	25
144813	(2) 1x5-pin connectors	$3.49	$3.19	$2.89
319652	(1) 2x5-pin connector	1.35	1.19	1.09

★ *Rack Mounts Available Online — Enter Web Code GAT*

Books

Handbooks, Project Guides & Reference Books

Forrest M. Mims III Engineer's Guides

One of the most widely read electronics authors in the world. Forrest M. Mims, III has written over 60 books and has been honored twice for excellence by the Computer Press Association. "Getting Started in Electronics" has sold more copies than any other book on the subject. It is a complete electronics course in just 128 pages! Mims teaches the basics and takes you on a tour of analog and digital components. He explains how they work and shows how they can be combined for various applications. It also includes assembly tips and 100 electronic circuits and projects to build and test. If you're up for a challenge, see Forrest's Puzzler on page 68.

2112743

2112778

2112786

★ Web Code: FOR

Part No.	Description	Pages	Price
2112743	Forrest M. Mims III Engineer's Guide to Electronics Volume I: Timer, OP Amp, Optoelectronic Circuits & Projects	124	$13.95
2112751	Forrest M. Mims III Engineer's Guide to Electronics Volume II: Science & Communication Circuits & Projects	140	13.95
2112760	Forrest M. Mims III Engineer's Guide to Electronics Volume III: Electronic Sensor Circuit & Projects	144	13.95
2112778	Forrest M. Mims III Engineer's Guide to Electronics Volume IV: Electronic Formulas, Symbols & Circuits	192	13.95
2112786	Forrest M. Mims III Getting Started in Electronics, A Complete Electronics Course	128	19.95

Handbooks, Project & Reference Books

Whether you're an engineer or hobbyist, Jameco has the book for you. Jameco offers a broad selection of reference books, project books and pocket handbooks to guide you through all of your projects A through Z! Don't see what you need below? Be sure to check out our website for our complete selection of reading material.

2112807

2112794

2135021

357659

2123258

★ Web Code: BKS

Part No.	Description	Pages	Price
2112807	Basic Digital Electronics: Explains digital system functions and how digital circuits are used to build them	192	$19.95
2112794	Basic Electronics: Explains electronic devices and circuits, how they work and how they are used	224	21.95
2146337	Getting Started with Arduino: Provides a thorough introduction to the popular open source electronic prototyping platform (2nd edition)ℛ	180	14.95
2135021	Making Things Talk: Includes several project ideas and detailed instructions for getting hardware to talk to each other, the web, and other smart devices	428	29.95
357659	Mondotronic, Muscle Wire Project Book Sample kit	128	32.95
141330	Muscle Wire Project Book, 3rd Edition (for more muscle wire & kits, see page 180)	128	19.95
2123258	Pocket PC Reference Book, 14th Edition. This book covers troubleshooting error codes, Windows® Vista & 7, new processors and drive support	1088	13.49
88225	Texas Instruments TTL Databook. Databook that covers Texas Instruments TTL logic, Schottky TT circuits, CMOS logic and VSLI	2140	24.95

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Alternative Energy Kits, Arduino & Robotic Accessories

Horizon Fuel Cell Technologies

Alternative Energy Kits

★Web Code: NRG

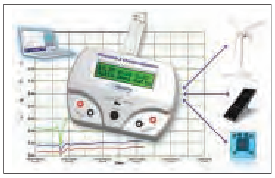
Horizon Fuel Cell Technologies has become the world's largest volume producer of commercial fuel cell products, serving customers in over 40 countries. The launch of the "H-Racer" toy-scale fuel cell car in 2006 offered a first glimpse of the company's unique technology that won several consumer product design awards, including a Time Magazine "Best Invention" award. Presently, Horizon produces extremely compact, lightweight, and complex hydrogen generation solutions suitable for electronic hobbyists, including renewable energy science experiment sets and battery-free kits.

2095007

2095015

2112161

2112170


2112196

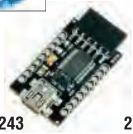
Part No.	Mfr. Part No.	Description	1	5
2095007	FCJJ-23	H-Racer 2.0 is the world's smallest hydrogen fuel cell car equipped with remote-control steering and light emitting features with the car	**$114.95**	**$107.95**
2112137	FCJJ-25ℛ	H2GO Hybrid Electric Hydrogen RC Vehicle runs on energy from the sun and water and combines fuel cells for cruise power .... Not even the remote control needs batteries	**139.95**	**134.95**
2095015	FCJJ-27	Alternative Energy kit that combines solar, wind, and fuel cell technologies in a mini-renewable energy system	**209.95**	**199.95**
2112145	FCJJ-29ℛ	Wind Pitch is a miniature real-working wind turbine (wind power generator) designed to evaluate the pitch (setting angle) .... of the profiled blades. Up to 12 profile blades can be installed for evaluation	**109.95**	**99.95**
2112153	FCJJ-26ℛ	Hydro-Wind Turbine kit invents clean energy applications using fuel cells and renewable hydrogen-harness the energy of the wind	**169.95**	**154.95**
2112188	FCJJ-22ℛ	Bio-Energy kit uses ethanol as fuel source. This fuel cell kit directly converts ethanol (alcohol) to electricity silently and without any combustion ..	**99.95**	**89.95**
2112161	FCJJ-11ℛ	Fuel Cell Car Science, reversible PEM fuel cell combines electrolysis & power conversion in an autonomous car	**74.95**	**64.95**
2112170	FCJJ-16ℛ	Solar Hydrogen Education; invent clean energy applications using fuel cells and renewable hydrogen	**69.95**	**64.95**
2112196	FCJJ-24ℛ	Renewable Energy Monitor with software; 2-line LCD screen displays real time voltage, current, power, joules, resistance and RPM speed .... Compatible with all Horizon's clean energy education kits (2095007, 2095015, 2112145, 2112153, 2112161, 2112170 & 2136593)	**129.95**	**124.95**

DFROBOT DAGU

Arduino and Robotic Accessories

NEW MARKED IN PINK

2150660


2152243

2152286

2152294

2150491/2150504

2150512

2150555

2150555

DFRobot

★Web Code: DFR

Part No.	Mfr. Part No.	Description	1	5
2150660	DFR0138	USB host shield add-on board for Arduino development platform, provides USB interface, supports Google ADK (Android)	**$35.95**	**$32.95**
2152243	DFR0065ℛ	FTDI basic breakout board for USB to serial communication. Uses DTR pin for hardware auto-reset when a new sketch is downloaded	**15.95**	**14.95**
2152260	DFR0144ℛ	Relay shield controls up to 4 relays, max. switching power DC 90W or AC 360VA. Controllable with Arduino, Xbee or Bluetooth	**19.95**	**18.95**
2152278	DFR0076ℛ	Flame sensor used to detect fire or other wavelengths at 760nm-1100nm. Operating temp.:-25°C to +85°C, flame sensing angle: 60°	**4.95**	**4.49**
2152286	DFR0092ℛ	Graphics LCD shield providing a 48x48 pixel display. 6 digital, 5 analog I/Os, displays English or Chinese, integrates a 5 DOF joystick	**26.95**	**24.95**
2152294	DFR0162ℛ	XBoard V2 with WIZnet ethernet port, XBee socket and ATMega328 microcontroller. Power supply: 5-12V, 8 digital I/Os, 8 analog I/Os	**36.95**	**34.95**
2152307	COMB0002ℛ	Wireless programming kit for Arduino Uno/Duemilanove, Mega 1280/2560. Includes: 2 programming modules, I/O shield, Xbee USB adapter, USB cable	**94.95**	**89.95**

Dagu

★Web Code: DGU

Part No.	Mfr. Part No.	Description	1	5
2150441	RS002A	Compound infrared sensor, can be used as a range finder or movement tracker within 200mm, 4 pairs of IR phototransistors and 4 IR LEDs	**$8.95**	**$7.95**
2150491	RS003A	75:1 Metal gearmotor, all gears are made of steel, output shaft: 4mm diameter, stall torque: 8.8kg-cm, 7.5V max., motor speed: 10,000 rpm	**12.95**	**11.95**
2150504	RS003B	34:1 Metal gearmotor, all gears are made of steel, output shaft: 4mm diameter, stall torque: 8.8kg-cm, 7.5V max., motor speed: 10,000 rpm	**12.95**	**11.95**
2150512	RA001C	Metal gear servo motor, torque force: 1.8kg-cm @ 4.8V, speed: 0.13sec/60°, weight: 18 grams, dimensions: 1.1" x 0.55" x 2.4"	**27.95**	**24.95**
2150555	RS015	"Magician" dual 0.8A robot motor controller, each channel rated at 800mA, ATMega8 processor, USB interface and ISP socket, 8x3-pin servo inputs	**28.95**	**26.95**
2150601	TK001	LCD clock training kit displays messages and builds an alarm clock, comes with all components including ATMega8A pre-programmed microcontroller	**74.95**	**64.95**

Mr. Tidy Mobile Robot with Gripper

NEW MARKED IN PINK

Includes four motors and a 2DOF arm and an array of sensors to follow lines, avoid objects, and much more.

- Side and rear phototransistors, color sensors, and IR sensors
- Program with free development software
- Atmega1280-16AU processor
- Supports I2C, SPI, TTL serial, and IR
- 6xAA NiMH batteries not included

Part No.	Mfr. Part No.	1	5
2150635	RS008	**$199.95**	**$184.95**

"Playful Puppy" Quadruped Robot Kit

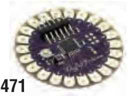
NEW MARKED IN PINK

Build your own robot puppy that will follow you around the house. Fully interactive, it follows commands controlled by hand gestures.

- Includes all hardware and sample software code
- Batteries not included (power supply: 7.4V, 2300mAh)
- Arduino compatible
- No soldering required
- 10 servo motors

Part No.	Mfr. Part No.	1	5
2150627	RS016	**$154.95**	**$144.95**

LilyPad Microcontroller and Accessories


2144471

2152219/
2152227/2152235

The LilyPad is a waterproof, sewable microcontroller board that lets you build your own wearable, interactive fashionable apparel.

Part No.	Description	1	5
2144471	Atmega328 MCU, 14 I/Oℛ ...	**$23.95**	**$22.95**
2144489	Conductive thread, size 92	**29.95**	**28.49**
2152219	5pk red LED, washableℛ	**7.95**	**7.25**
2152227	5pk blue LED, washableℛ	**7.95**	**7.25**
2152235	5pk white LED, washableℛ	**7.95**	**7.25**
2152198	Light sensor, outputs 0-5Vℛ	**10.95**	**10.49**
2152201	Button module, 0.8mm PCBℛ	**2.75**	**2.49**

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Power Function Kit

2125721

Rescue Helicopter

2129174

Motorized Excavator

2117384

Tyrannosaurus Kit

242923

Coptermech

2128382

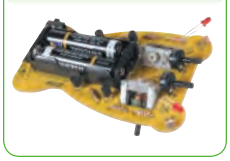
Bulldozer Kit

358230

Kabuto Mushi Robot

2128358

Running Micro Bug

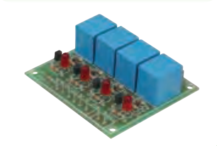


200328

Crawling Micro Bug

200336

Relay Card Kit



239476

Relay Switch

2130600

Line Tracking Mouse

386708

Start/Stop Timer

2128315

Titan Tank Kit

2128374

Boxing Robot

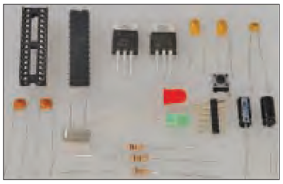
401533

RFID Proximity Card

2123936

Minimalist Arduino Circuit Kit

NEW
MARKED IN PINK



Sometimes your project doesn't use every I/O, or you aren't using a shield, but you'd like the Arduino brain at the heart of your project. Build an Arduino-compatible circuit on a breadboard or PCB with this kit. Visit www.Jameco.com for instructions.

Includes: ATmega328P with UNO bootloader, two status LEDs, 5V and 3.3V regulator, reset button and 16MHz crystal

Requires: Serial device (not included, recommend P/N 2117341, pg 176)

Part No.	Description	1	5
2151259	Minimalist Arduino Circuit kit	$14.95	$13.95

Mindstorms NXT 2.0

Create the smartest, strongest and most advanced LEGO robots with the Lego Mindstorms NXT 2.0. Bigger and revised element assortment of 619 pieces, 16 building and programming challenges for 4 new fun and action packed robot models.

- 3 interactive servo motors with built-in rotation sensors
- 1 ultrasonic sensor
- NXT 32-bit microcontroller with 256k memory
- Support for Bluetooth, USB 2.0
- Color sensor with triple functionality: color sensor/ light sensor/color lamp
- 2 touch sensors

Part No.	Mfr. Part No.	No. of Pieces	Price
2082644	8547	619	$279.99

★Additional Lego Kits — Enter Web Code LEG

★Educational & Robotic Kits — Enter Web Code ERK

Robotic Arm Edge & USB Interface

Create and take command of the Robotic Arm Edge, the new, incredibly flexible robotic arm you can build yourself. Find gadgets all around the base with its new search light and the enormous reach of the arm!

2095023

- Five switch wired controller
- Base rotation of 270°
- Lifts 100 grams (3.5 ozs.)
- No soldering required
- Horizontal reach of 12.6"
- Extensive elbow range of 300°
- Difficulty level: intermediate
- 187-piece kit

Requires: 4 D batteries (not included, recommend P/N 215845, pg 129)

Part No.	Mfr. P/N	Description	1	5
2095023	OWI-535	Robotic arm edge kit	$52.95	$49.95
2111960	535-USB	USB arm controller ℛ	39.95	34.95

Electronic Kits

Lego Technic Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Price
2125721	8293ℛ	Power functions kit, add a motor to your legos Also includes battery box and light cable	10	BEG	9.5 x 5.7 x 2.4	$29.95
2129174	8068ℛ	Rescue Helicopter or Medical Helicopter	408	INT	—	39.95
2117384	8043ℛ	Motorized Excavator or Tracked Loader	1123	INT	—	199.95

Robotic and Computer Control Kits

★Web Code: ERK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	5
242923	21-601	Mechanical Wooden Tyrannosaurus kit	116	BEG	1.5 x 3.0 x 6.5	0.9	$14.95	$13.49
2128382	21-604	Coptermech, Mechanical Motorized Wooden kit, no soldering, 2xAA batteries required	120	BEG	14 x 10.4 x 4.9	0.5	13.95	11.49
358230	70104	Remote Control Bulldozer kit	130	BEG	7.0 x 5.5 x 3.5	1.1	32.95	29.95
358272	70162	Design a robot w/ this RC Robot Construction set! Lift, scoop and drop all kinds of stuff.	144	BEG	—	1.0	44.95	39.95
2128358	OWI-8800	Kabuto Mushi Robot kit, IR remote, 4 motors, controllable claw; for ages 10+	100+	BEG	8.0 X 6.8 X 8.8	2.0	54.95	52.95
200328	MK127	Light-Following Running Micro Bug kit	26	INT	4.0 x 2.4	0.2	18.95	16.95
200336	MK129	Light-Seeking Crawling Micro Bug kit	29	INT	4.0 x 2.4	0.2	19.95	17.95
239476	K2633	Relay Card kit (req. pwr supply P/N 133891 pg 106)	29	INT	3.0 x 2.7	0.4	18.95	16.95
2130600	K8015ℛ	Multi-function Relay Switch with 14 different functions and pushbutton control	37	INT	3.4 x 1.5 x 1.0	0.5	23.95	21.95
386708	21-880	Line Tracking Robot Mouse (solder required)	130	INT	3 x 3 x 3	0.9	22.95	20.95
2128315	K6200R	0-60 hr. Start/Stop Timer, relay out: 5A/220V, power supply: 24V/50mA, 110VAC	53	INT	1.9 x 1.8 & 1.9 x 1.5	0.5	23.95	21.95
358352	75020	Line Tracing Snail Robot kit	40	INT	6.9"H	2.0	29.95	28.49
2128374	21-531N	Titan Tank kit, IR remote control, 4-ch selection for battle, 4xAA & 4XAAA batteries required	121	INT	6.5 x 6.5 x 3.6	1.5	34.95	32.95
401533	71110	Boxing Robot kit (single), 2-channel	84	INT	4.5 x 3.6 x 5.6	0.4	32.95	29.95
2123936	MK-179ℛ	RFID Proximity Card Reader kit, include 2 tags EM4100 compatible (more tags on pg 174)	52	INT	2.6 x 2.4 x 0.8	0.5	36.95	34.95

Continued on next page

Electronic Kits (Continued)

★ Web Code: ERK

Robotic and Computer Control Kits (Continued)

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2128331	OWI-536ℛ	3-In-1 All Terrain Tracked Robot; transform to a forklift, rover or gripper; wired remote control	120+	INT	—	2.2	**$45.95**	**$42.95**
401541	71113	Box w/ your friends w/ this kit of Remote Controlled Boxing Robots. They're fun for everyone	170	INT	—	0.8	**59.95**	**54.95**
2136403	975ℛ	3pi Robot with 2 gear motors, 5 reflectance sensors, LCD, buzzer, connected to an ATmega328 microcontroller	1	INT	3.7" Dia.	0.18	**99.95**	**94.95**
2140285	J-BOT	Build your very own customizable robot with ultrasonic sensors, 4WD platform, breadboard, MotorShield kit and much more	22	INT	9.5 x 7 x 8	2.8	**159.95**	**149.95**
386610	21-886	Terrain Escape Robot kit with infrared emitting diode and receiver module	86	EXP	5 x 5 x 5	0.9	**22.95**	**19.95**
358045	CYBUG	The CYBUG Scarab kit uses touch and light sensors fo find or avoid light. Requires soldering	83	EXP	4.5 x 4	0.4	**49.95**	**47.95**
140821	972K	Build the Spider 3 Walker Robot & watch it intelligently avoid any obstacle it faces. Requires soldering	158	EXP	12.0 x 7.0 x 3.5	1.2	**62.95**	**59.95**
2123952	K8090ℛ	8-chan. USB relay card, up to 16A/relay, can use with iphone application. Assembly required	124	EXP	6.3 x 4.2 x 1.2	1.0	**74.95**	**71.49**

Audio Transmitters, Amplifier, Sound Generator and Detection Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2131012	MK120ℛ	Infrared light barrier kit with 85dB audible alarm and visible LED alert	46	BEG	2.2 x 1.6/3.9 x 2.0	0.18	**$7.95**	**$7.25**
2130731	MK171ℛ	Voice changer kit, add effects to your voice with robotic, vibrato, high-low effects and more	36	BEG	3.0 x 1.8	0.11	**14.95**	**13.49**
2123944	MK-182ℛ	Digital Echo Chamber kit, echo effect, line-in & out, output 8Ω, 500mW	63	BEG	3.35 x 2.76 x 0.78	0.5	**22.95**	**21.95**
285624	RS-TGI	Build your own telegraph. Send an SOS!	9	BEG	3.0 x 3.0 x 3.3	1.3	**54.95**	**52.95**
2135751	AP-MP3	MP3 playback module. MP3/PCM/WAV supports up to 32GB micro SD	1	BEG	2.5 x 2.0	0.2	**99.95**	**94.95**
147571	MK103	Voice Activated kit, Requires 8-15VDC Power Supply or 9V battery, Sound Activates 4 Flashing LEDs	33	INT	2.5 x 1.6 x 1.4	0.1	**8.95**	**7.95**
662670	EBST-11	Audio Stereo Amplifier Kit, 1 watt	32	INT	2.8 x 2.3	0.2	**9.95**	**8.95**
117612	K1803	Univ. Mono Pre-Amp kit (req. 10-30VDC pwr supply)	17	INT	1.2 x 1.8	0.3	**10.95**	**9.95**
151204	AA-1	Super Snooper Big Ear Audio Amplifier kit	17	INT	1.8 x 1.0 x 0.6	0.1	**10.95**	**9.95**
127255	K4001	7-Watt Amplifier kit, Requires 15VDC @ 500mA Power Supply, Music Output Power: 7-Watts, 4	22	INT	2.2 x 1.4	0.3	**17.95**	**15.95**
211772	MK118	FM Radio kit, 88-108MHz	65	INT	4.8 x 3.3	0.3	**27.95**	**24.95**
151239	FMST-100	FM Stereo Transmitter Mini kit	37	INT	2.7 x 2.0	0.2	**31.95**	**28.95**
129138	K4003	30W Stereo Pwr Amp. (req. 2x 12VDC @ 2A pwr supplies)	38	INT	2.8 x 2.0	0.7	**33.95**	**30.95**
127562	K4401	Sound Generator kit with 10 unique sounds	61	INT	2.8 x 2.8	0.4	**34.95**	**31.95**
2120815	K8098ℛ	Audio Analyzer, display EMS/peak power, mean/peak dB, audio spectrum	73	EXP	5 x 2.5 LCD	0.6	**69.95**	**64.95**
2120823	K8095ℛ	MP3 Player Kit, create your own jukebox, sound effects, mp3 and more! SD card operation, Hi-quality VLSi decoder, vol. control, up to 32GB, up to 1024 folders with 16,348 songs each	100	EXP	5.11 x 3.9	0.7	**79.95**	**75.95**

Test and Measurement Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
662725	EBLOG-300A	Logic Probe kit, 3V-16VDC, detect high, low, pulse signal	14	BEG	4.0"L x 0.75"Dia.	0.1	**$10.95**	**$9.95**
2119662	SL004ℛ	Electronics Discovery kit, 16+ projects work with LEDs, switches, buttons, sensors	130	BEG	10 x 6.7 x 3	1.0	**49.95**	**47.49**
129091	K7102	Metal Detector kit, sensitive within 8cm (req. 9V battery)	22	INT	2.1 x 2.1	0.4	**17.95**	**15.95**
20685	JE2206	Function Generator kit, 1-100kHz in 4 ranges	21	INT	4.1 x 1.5	0.1	**27.95**	**24.95**
2109173	28014ℛ	USB oscilloscope, 2-ch digital, 3 probes, 20V max. 200kHz	—	—	5 x 2.25 x 5.0	0.5	**139.95**	**134.95**

Power Supply and Motor Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2115750	34020ℛ	Breadboard Vreg kit, 6-18Vin, 5V @ .5A out, 2.1mm jack	12	BEG	2.2 x 0.6	0.1	**$7.95**	**$7.49**
181833	VM-1	DC Voltage Monitor kit with 7 LED display	46	BEG	2.7 x 1.3	0.2	**9.95**	**8.95**
2119751	C-8051	Adjustable Gear Motor kit, 4k-14k rpm	22	BEG	4.3 x 4.9	0.2	**11.95**	**11.49**

3pi Robot

2136403

Terrain Tracked Robot

2128331

Customizable Robot

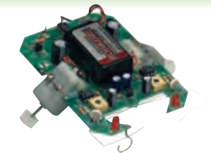
JAMECO EXCLUSIVE

2140285

Terrain Escape Robot

386610

CYBUG Scarab



358045

The Spider

140821

USB Relay Card

2123952

Telegraph Kit

285624

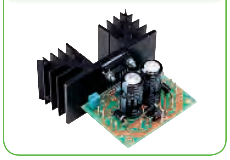
MP3 Playback Module

2135751

FM Radio Kit

211772

Stereo Power Amplifier



129138

Sound Generator Kit

127562

MP3 Player Kit

Shown with optional LCD and RF receiver

2120823

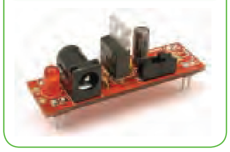
Electronics Discovery Kit

2119662

USB Oscilloscope

2109173

Breadboard Voltage Regulator



2115750

Continued on next page

Edu & Hobby

Electronic Kits (Continued)

★ Web Code: ERK

Power Supply and Motor Kits (Continued)

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
117621	K1823	1.5A @ 1.5-35VDC Power Supply kit	12	INT	2.1 x 2.1	0.3	**$14.95**	**$13.49**
20626	JE215	Dual Adjust Regulated Power Supply kit	48	INT	5.1 x 3.5 x 2.0	2.1	**26.95**	**24.95**
127829	GMC-1102	Motor Speed Control kit; powers up to 5A @ 100VDC	35	INT	3.6 x 2.3 x 1.2	0.3	**36.95**	**34.95**
358248	70097	Twin Motor Gearbox kit	61	EXP	3.0 x 4.0	0.3	**14.95**	**13.49**
120539	K8004	DC Pulse Width kit, Proportional DC to PWM	40	EXP	3.3 x 1.9 x 1.8	0.5	**24.95**	**22.45**

Distance and Light Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2131207	MK135ℛ	Electronic Decision Maker kit, rapidly flashes lights untill it slowly stops at one	19	BEG	2.2 x 1.2 x 1.4	0.1	**$6.95**	**$6.25**
147635	MK100	Flashing Christmas Tree kit	30	BEG	4.0 x 2.4 x 1.0	0.1	**6.95**	**6.25**
2130802	MK150ℛ	Shaking dice kit, just give it a shake and the LEDs will automatically light a value	23	BEG	3.0 x 1.8	0.11	**13.95**	**12.49**
2136534	091ℛ	Larson Scanner kit, create the scanning LED effect from Battlestar Galactica or Night Rider	22	BEG	5.0 x 1.5 x 1.0	0.1	**14.95**	**12.49**
2119671	PAPERV1ℛ	Papertronics Vol. 1, makes 3 paper lunar modules that light up with LEDs	13	BEG	11 x 9 x 0.5	0.2	**13.49**	**12.95**
2136542	080ℛ	Deluxe Menorah kit, (9) 10mm yellow LEDs, press button to light another candle, soldering required	28	BEG	5.0 x 1.5 x 4.25	0.1	**15.95**	**13.25**
157964	LED1007	Infrared Illuminator kit, 13.2VDC, 8' dia. @ 24'	41	BEG	2" Dia.	0.1	**15.95**	**14.49**
2123928	MK149ℛ	Love Tester kit, 10-LED "love level" indicator	44	BEG	4.1 x 3.1 x 0.98	0.2	**16.95**	**15.95**
211764	MK116	Santa Sleigh and Reindeer kit	201	BEG	5.7 x 3.2	0.1	**24.95**	**22.95**
2128286	MK172ℛ	60 LED sound star, "VU-meter" flash to audio	113	BEG	4.2 x 4.4 x 1.4	0.1	**21.95**	**19.95**
2128278	MK170ℛ	60 LED star, 24 flashing patterns, soldering req.	94	BEG	4.1 x 4.3 x 1.4	0.1	**24.95**	**22.49**
2132390	CKB8099ℛ	Plexiglass Enclosure for Nixie Tube Clock kit	6	BEG	5.1 x 3.0 x 1.4	0.25	**49.95**	**44.95**
285595	RS-LBI	Build your own light bulb	11	BEG	6.0 x 3.0 x 7.5	1.2	**54.95**	**52.95**
2136569	950+966ℛ	Desk/mantle LED shadow clock soldering kit	147	INT	8.8 x 2.3 x 4.5	1.1	**84.95**	**79.95**
147580	MK102	Flashing LED kit, 2 red 5mm LEDs, requires 9V battery	23	INT	1.3 x 1.4 x 0.6	0.1	**7.95**	**6.95**
147555	MK101	Flashing LED Sweetheart kit, flashes 25 T1 (3mm) red LEDs, requires 9V battery	46	INT	1.3 x 2.3 x 1.3	0.1	**9.95**	**8.95**
211781	MK130	3D Flashing Christmas Tree kit	36	INT	3.1 x 3.5 x 4.0	0.1	**9.95**	**8.95**
236081	MK145	Halloween Pumpkin kit, 25-LED brightly-colored	71	INT	4.0 x 3.2 x 1.3	0.2	**13.49**	**12.49**
236072	MK117	Deluxe Christmas Tree kit	208	INT	3.2 x 5.6	0.2	**26.95**	**24.95**
200310	MK124	Scrolling Message kit, 16 characters	76	INT	3.5 x 2.6 x 1.8	0.2	**22.95**	**20.95**
177092	IR-10	Infrared Transmitter & Receiver kit (req. 9V battery)	26	INT	1.0 x 0.8	0.1	**24.95**	**22.49**
147643	K4304	10-LED Mono VU Meter kit	36	INT	2.7 x 1.4	0.3	**25.95**	**23.95**
129120	K3502	Parking Radar kit, adjustable 2"-59"	55	INT	4.9 x 1.9	0.5	**42.95**	**39.95**
2136551	800820ℛ	Meggy Jr. RGB, develop a handheld pixel-scale video game, 8x8 RGB matrix, includes one pre-programmed game, reprogrammable	80	INT	6.0 x 1.5 x 3.5	0.9	**74.95**	**69.95**
2130351	K8099ℛ	Nixie Tube Clock kit, unique combination of vintage and modern electronics, displays time in either 12 or 24-hour formats, microprocessor-controlled. Enclosure (2132390, above) highly recommended	102	EXP	4.3 x 2.2 x 2.4	0.5	**139.95**	**129.95**

Alternative Energy – No Batteries Required

★ Web Code: NRG

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing	
							1	5
2112006	MSK670ℛ	Frightened Grasshopper kit, solar powered	7	BEG	1.75 x 1.0 x 0.6	0.1	**$10.95**	**$9.95**
2128340	OWI-750ℛ	Salt Water Fuel Cell Car, magnesium metal sheet (3 incl.), provides 5-7 hrs continuous play	20	BEG	3.0 x 1.6 x 0.7	0.5	**12.95**	**11.95**
2111978	MSK613ℛ	3-in-1 Solar Stallion, peagasus, chariot	104	BEG	—	0.5	**17.95**	**16.95**
2111986	MSK614ℛ	T3 Transforming Solar Robot, create a solar tank, scorpion or robot	71	BEG	9.8"Dia. x 3.6"H	0.5	**18.95**	**17.49**
2097521	MSK610ℛ	6-in-1 Educational Solar kit, create a solar car, airboat, windmill & more, no tools required	33	BEG	4.75 x 2.4 x 3.4	0.5	**17.95**	**16.95**
2112090	MSK679ℛ	The Solar System Solar kit, build, paint and watch the solar system come to life using solar energy	70	BEG	4.4 x 3.7 x 3.2	0.5	**17.95**	**16.95**
2144382	EDU02ℛ	Solar energy experiment kit, 10 projects	13+	BEG	3.15 x 2.36	0.5	**32.95**	**29.95**
2114554	75021	Use different gears and wind power to charge a small motorized vehicle	50	INT	—	1.1	**59.95**	**56.95**
2115696	33000ℛ	30W Solar Panel kit, comes with everything you need to make your own solar panel, 6VDC @ 4.9A 16.75% efficient monocrystalline cells	23	EXP	23.8 x 15.8 x .38	4.5	**179.95**	**169.95**

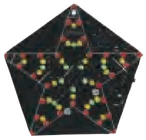
Twin Motor Gearbox Kit

358248

Electronic Decision Maker Kit

2131207

LED Sound Star



2123928

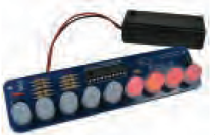
60 LED Star Kit

2128278

Deluxe Menorah Kit

2136569

Larson Scanner Kit

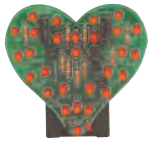


2136534

Meggy Jr. RGB

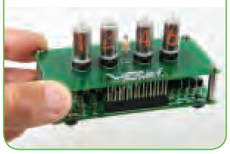
2136551

Sweetheart Kit



147555

Nixie Tube Clock Kit



2130351

Frightened Grasshopper

2112006

6-in-1 Solar Kit

2097521

3-in-1 Solar Station

2111978

Transforming Solar Robot

2111986

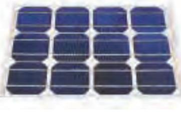
Solar System

2112090

Solar Energy Experiment Kit

2144382

Solar Panel Kit



2115696

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ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Electronic Kits (Continued)

Miscellaneous

★ *Web Code: ERK*

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2128366	OWI-371	Aluminum T-Rex kit, soft, pre-punched aluminum parts, tools included	86	BEG	8.3 x 2.5 x 3.4	0.2	**$13.95**	**$12.49**
358299	70100	Tank and Track Wheel set, 3 track lengths	40	BEG	—	0.5	**9.95**	**8.95**
2119734	C-9701	20 second voice recorder, assembled, 1 msg.	1	BEG	1.4 x 0.9 x 0.5	0.1	**14.95**	**13.49**
2128462	EDU-61010	Leonardo da Vinci kit, Bombard, snap-together replica with educational manual	18	BEG	10.5 x 9.0 x 3.2	1.0	**17.95**	**15.95**
2124218	MKEL4	The learn to solder flashing siren kit teaches you the basics of soldering & includes 25W iron, wire cutters and solder. 9V battery not included	25	BEG	4.9 x 2.5	0.8	**18.95**	**17.95**
2144374	EDU01	Solderless education starter kit, 10 + projects	58	BEG	3.2 x 2.4	0.5	**29.95**	**26.95**
2130520	VM141	Start-stop Timer kit with a wide timing range, easy time setting, LED animation during operation and on-board start-stop buttons	40	BEG	2.8 x 1.8 x 0.8	0.2	**29.95**	**27.95**
2124200	FO-30K	This kit teaches the fundamentals of fiber optics. You can transmit your voice or a 1kHz signal through the 3 ft. fiber optic cable	56	BEG	Rx: 1.3 x 4 x 1 Tx: 1.3 x 4 x 1	0.4	**23.95**	**21.95**
358336	70144	Ball Caster set, adjustable height	60	INT	1.1 x 1.1 x 1.45	0.6	**5.95**	**5.49**
2114538	72004	Worm Gearbox, Hi-eff kit, 216 & 336:1 ratios	58	INT	3.0 x 3.2 x 1.2	0.3	**13.95**	**12.49**
2114520	70108	Tracked Vehicle Chassis kit, 2 gear radios	57	INT	2.8 x 2.4 x 1.0	0.6	**19.95**	**18.95**
358213	72001	Planetary Gearbox kit, 8 different ratios	66	INT	3.5 x 1.5	0.4	**17.95**	**16.95**
127554	K6400	Code Lock kit, 9 digits, 3000 codes	67	INT	1.7 x 1.8	0.5	**27.95**	**25.95**
2144542	ROB0030	6WD Wild Mobile Platform, 5KG max load, 6x6V motors, sturdy aluminum built for outdoors	40+	INT	16.5 x 12 x 5	10	**489.95**	**474.95**
2114546	70168	Double Gearbox, 4-speed, independent left/right	116	EXP	2.8 x 2.4 x 0.9	0.3	**12.95**	**11.95**
2146572	VM110N	Control your electronics from your computer w/ this USB Interface, 7 inputs and 10 outputs	1	EXP	5.7 x 3.0 x 0.8	0.6	**89.95**	**79.95**
2144569	ROB0023	Biped Robotic Articulating Transport. Walker features 3 degrees of freedom per leg	16	EXP	6.0 x 8.5	1.6	**299.95**	**279.95**

Aluminum T-Rex Kit

2128366

Voice Recorder

2119734

Fiber Optics Kit

2124200

Worm Gearbox

2114538

Tracked Vehicle Chassis

2114520

Wild Mobile Platform

2144542

Walker Bot

2144569

USB Interface

2146572

Kits and Modules

For Additional BASIC Stamp Modules, See Page 10

Parallax's mission is to provide the electronics industry with products that are technically innovative, unique and economical. Parallax designs and manufactures microcontroller development tools and small single-board computers. Parallax Inc. current product line consists of BASIC Stamp microcontrollers and development software, SX chips and programmers/debuggers, Propeller chips and tools, project boards, robotics kits, educational tools and sensors. The BASIC Stamp and BASIC Stamp2 are geared more towards beginners and novices, whereas the Propeller is better suited for more advanced users with programming experience. Not sure where to begin? Try one of the starter kits to familiarize yourself with the BASIC Stamp or Propeller series microcontroller.

Kits, Protoboards and Development Boards – BASIC Stamp Series

★ *Web Code: PAR*

Part No.	Mfr. Part No.	Description	1	5
661116	27297ℛ	StampWorks Experiment kit, 35 projects based on the BASIC Stamp, includes Parallax Professional Development Board	**$289.95**	**$264.95**
2134871	32225	Understanding Signals w/ the PropScope, USB oscilloscope and test components. Learn to generate, view, and measure a variety of wave forms. BOE & BASIC Stamp 2 required	**229.95**	**219.95**
357270	27400	Mini SumoBot Robot kit, uses BASIC Stamp 2, learn to program autonomous control	**169.95**	**159.95**
387971	27807	BS2 Educational Starter Kit, USB version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	**159.95**	**149.95**
282829	27207ℛ	BS2 Educational Starter kit, serial version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	**159.95**	**149.95**
282933	28132	Serial BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	**159.95**	**143.95**
387997	28832ℛ	USB BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	**159.95**	**143.95**
481975	28136ℛ	Scribbler 2 Robot, serial version, reprogrammable and can perform light-seeking, object detection, object avoidance, line-following and art, insert a Sharpie marker and it scribbles as it drives. Make it write your name!	**129.95**	**119.95**
2109165	28803ℛ	Board of Education full kit, USB version, includes carrier board, BASIC Stamp 2 module, designed for those already familiar with programming Stamp modules	**99.95**	**89.95**
2109202	90005ℛ	BASIC Stamp activity kit, learn electronics and programming, includes What's a Microcontroller guide and components for over 40 hands-on activities, includes USB to serial adapter & homework board w/ BASIC Stamp 2 MCU	**49.95**	**44.95**
130921	27120ℛ	BASIC Stamp 2 carrier board, features 24-pin DIP socket for BS2, BS2E, BS2SX, BS2P24, BS2PX24, Spin Stamp and Javelin modules; board has through-hole area and 9V battery clip; DB9 serial	**15.95**	**14.95**

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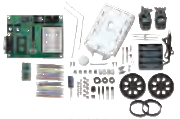

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Parallax Kits & Wireless Interface Devices

4 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | FACTORY OVERRUN | DOLLAR SALE

Kits and Modules (Continued)

For Additional BASIC Stamp Modules, See Page 10

Kits, Protoboards and Development Boards – Propeller Series

Part No.	Mfr. Part No.	Description	1	5
2099673	28980ℛ	Stingray Robot kit, programmable multicore Propeller chip, USB interface, eight 32-bit cores, 64K EEPROM, 5V I/O translators, 2-wheel differential drive system, advanced aluminum platform, requires 6 AA batteries (not included)	**$269.95**	**$259.95**
2007126	32111ℛ	Propeller Professional Development Board, 40-pin DIP socket for P8X32A-D40, variety of LEDs, buttons and typical devices and circuitry are built in for rapid project development, USB interface	**159.95**	**154.95**
2007100	32305ℛ	Propeller Education kit, 40-pin DIP version, includes plastic storage box, Propeller fundamentals book, 40-pin propeller chip, USB to serial plug, interconnecting breadboard and various components	**109.95**	**104.95**
2007097	32300ℛ	Propeller Starter kit, includes Propeller demo board, manual and USB A to mini B cable, board is pre-wired to connectors for PS/2 mouse/keyboard, VGA monitor and speakers	**99.95**	**96.95**
2007118	32812ℛ	Propeller Proto Board, Features P8X32A-Q44 propeller, 64K EEPROM, USB programming interface, large prototyping area, access to all 32 I/O pins, sockets for 4 servos, LM1086 5V and 3.3V regulators	**32.95**	**29.95**

2099673

2007126

2007100

2007097

2007118

2007185

2109747

2109261

Sensors, Modules & Accessories

For more Sensors, see pg 85-86

Part No.	Mfr. Part No.	Description	1	5
2007185	28028ℛ	Sensor Sampler kit, includes sensirion temp. and humidity sensor, flexiforce sensor ultrasonic sensor, PIR proximity sensor, Hitachi H48C 3-axis accelerometer	**$174.95**	**$169.95**
2109747	29140ℛ	Introduction to sensor kit, includes 2-axis accelerometer, distance, color, and PIR sensor	**89.95**	**84.95**
2109261	30085ℛ	Easy Bluetooth Serial module, serial communication, 1.0 & 2.0 Bluetooth compliant	**74.95**	**69.95**
2140331	28986ℛ	2-cell Li-Ion Power Pack/Charger, holds 2 rechargeable 3.7V 18650 sized Li-ion cells	**54.95**	**49.95**
2082919	27922	Gyroscope Module, ±300°/s full scale, 3.4VDC to 6.5VDC @ 5.25mA	**42.95**	**39.95**
2109667	28526ℛ	3-axis accelerometer, digital output, SPI or I2C, sensitive select ±2g/±4g/±8g	**29.95**	**24.95**
2082863	27931	CO gas sensor, 5VDC @ 165mA TTL compatible input and output	**29.95**	**26.95**
2127689	Compass	Compass module, 2-axis, HMC6352, 2.5° accuracy, 0.5° resolution	**49.95**	**47.95**
2109413	570-28015ℛ	PING Mounting Bracket kit, includes Parallax standard servo, use w/ 282861	**29.95**	**26.95**
282861	28015	Ping Ultrasonic Range/Distance Finder, 0.5" – 10 ft., 5VDC, 3-pin header	**29.95**	**27.95**
282870	28017ℛ	2-axis Accelerometer, measures ±3g on each axis, simple pulse output of g-force for each axis, 6-pin DIP module, analog output for temperature	**29.95**	**28.49**
2109245	28031ℛ	USB to Serial (RS-232) Adapter, DB9 male socket, includes USB-A to mini-B cable, USB 1.1 and 2.0 compatible	**18.95**	**17.95**
2127081	28380	ColorPAL color/light sensor, detects a full range of colors and outputs data as RGB components	**20.95**	**19.95**
2082935	32313	SD card adapter, SPI communication	**15.95**	**14.95**
2109456	28030	USB to serial (RS-232) adapter, DB9 male & USB mini-B port, use cable 2081481	**16.95**	**15.95**
2082927	555-28027	PIR Sensor kit, single bit high/low output, detection range up to 20 ft.	**10.95**	**9.95**
2082901	27920	HS1101 Humidity Sensor, 5VDC to 10VDC, 0.25"x0.40" Dia., -40°F to 212°F	**6.95**	**6.25**
2082855	27800	Modular 2-axis joystick, dual 10k pot with common ground, 1.64" x 1.2" x 1.1"	**6.95**	**6.59**
2109691	350-00014ℛ	Infrared receiver, 38kHz carrier freq. found in Boe-Bot and SumoBot kits	**4.49**	**4.25**
2109624	28109	Boe-Bot/SumoBot wheel & tire set, 1 wheel & 2 rubber band tires	**3.95**	**3.75**
2109763	605-00004	Piezo film vibration sensor, use as flexible switch, freq. responce device	**2.79**	**2.59**
2129772	GP1UM287RKℛ	56.8kHz IR detecting unit for remote control (Sharp)	**.49**	**.45**
2129844	GP1UA287RKℛ	56.8kHz IR detecting unit for remote control (Sharp)	**.95**	**.85**

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2082855

2109691

2109624

2109763

2129772

2129844

RFID, Wireless Interface Devices & Embedded Neworking Solutions

★Web Code: PAR

RFID Read/Write Modules and Tags

Use these modules for a variety of hobbyist and commercial applications, including data storage, access control, user identification, robotics navigation, inventory tracking, payment systems, car immobilization, or security systems.

Part No.	Mfr. Part No.	Description	1	5
2109739	28141ℛ	RFID passive tag, 54mm x 85mm rectangle, EM-4100 family	**$1.25**	**$1.09**
2110633	32397ℛ	RFID passive tag, 25mm round, EM-4100 family	**1.25**	**1.09**
2109851	28161ℛ	RFID passive tag, blue eye key fob, EM-4100 family	**1.25**	**1.09**
2123514	28440ℛ	RFID read/write module, serial, use card 2123522, supports passive tags	**49.95**	**47.95**
2007169	32390ℛ	RFID Reader kit, serial card reader, includes 4 different passive tags	**49.95**	**46.95**
2007177	32395ℛ	RFID Reader kit, USB card reader, includes 4 different passive tags	**52.95**	**49.95**
2128104	LP-2010ℛ	RFID design lab, serial or USB interface w/ RFID chip board, includes USB cable	**659.95**	**629.95**

2109739

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2109851

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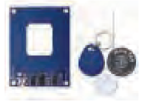
2007169


2007177

Wireless Interface Devices

Part No.	Mfr. Part No.	Description	1	5
2123611	32401ℛ	Xbee adapter board, 3.3/5V, Vreg & Logic converter included	**$16.95**	**$15.95**
2129326	A000021	Xbee/Zigbee Shield for Arduino, communicate wirelessly using an Arduino board up to 300 feet outdoors	**21.95**	**20.95**
2113375	32404ℛ	Xbee chip antenna, 1mW, 2.4GHz, 300' line of sight, 802.15.4 network	**24.95**	**23.75**

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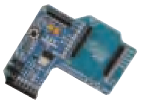
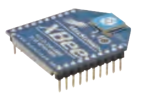
2123611


2129326


2113375

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

RFID, Wireless Interface Devices & Embedded Neworking Solutions (Continued)

Wireless Interface Devices (Continued)

★ Web Code: PAR

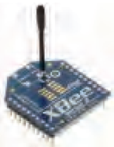
Part No.	Mfr. Part No.	Description	1	5
2113421	32400℟	Xbee adapter board, USB interface, PCB mount, 0.1" spacing, soldering required	**$27.95**	**$25.95**
2123581	32409℟	Xbee, zigbee series 2, 1.25mW, wire antenna, <400 ft. line of sight range	**29.95**	**28.95**
2144438	TEL0023	Bluetooth Bee in XBEE footprint, 30m max range, CSR BC417143, v2.0+EDR, 2.4-2.48GHz	**34.95**	**31.95**
2144446	TE0026	Bluetooth module, 3.5-8V. v2+EDR, 2.4-2.48GHz, 30m max range, can be paired	**34.95**	**31.95**
2109384	27982℟	433MHz RF Transceiver module, 1200-9600bps transfer rate, 250 ft. line of sight range	**39.95**	**38.95**
2113391	32406℟	Xbee chip antenna, 60mW, 2.4GHz, <1 mile range line of sight, 802.15.4	**41.95**	**39.95**
2123590	32408℟	Xbee, zigbee series 2 pro, 63mW, wire antenna, <2 mile line of sight range	**42.95**	**40.95**
2119961	SE1200A-DIP℟	DataBridge, I/O transceiver, 6 digital I/O, 2 analog I/O, UART Tx/Rx, 2.4GHz, 1mW, 0.625 mile, internal ceramic antenna	**84.95**	**79.95**
2119970	SE1200D-DIP℟	DataBridge, I/O transceiver, 6 digital I/O, 2 analog I/O, UART Tx/Rx, 2.4GHz, 100mW, 2.5 mile, SMA connector	**99.95**	**94.95**

Embedded Networking Solutions

★ Web Code: WHZ

Part No.	Mfr. Part No.	Description	1	5
2124365	WIZ810MJ℟	Plug-in network module having W5100, usable without H/W design for W5100 transformer and RJ-45, supports MCU BUS and SPI interface	**$24.95**	**$22.95**
2124322	WIZ110SR℟	Serial to ethernet module, 10/100Mbps ethernet max 230Kbps serial	**32.95**	**30.95**
2132779	WIZFI210	Ultra low-power Serial-to-Wifi module, brings WiFi connectivity via serial host interface, IEEE 802.11b/g/n compatible, up to 11Mbps	**38.95**	**35.95**
2124373	WIZ200WEB℟	Embedded web server module having Atmega128 & W5300, operates as HTTP server, supports10/100Mbps ethernet	**41.95**	**39.95**
2124349	WIZ6000℟	Serial to WiFi, ethernet to WiFi, 1RS 232, RJ-45 and standard 802.11b/g wireless interface, 54Mbps effective data transmission	**139.95**	**134.95**

2113421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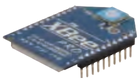
2109384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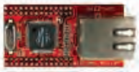
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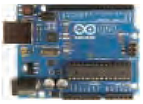
Arduino Microcontrollers, Kits, Shields & Accessories

Arduino is an open-source physical computing platform based on a simple microcontroller board. Create interactive objects that can read inputs from a variety of switches, sensors, and computers to control lights, motors, and other physical outputs. The shields are expansion boards that sit atop an Arduino and broaden the functions, from motor control to prototyping.

2115768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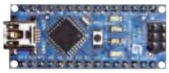
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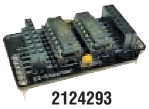
2124251

2121113

2144534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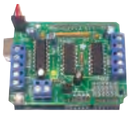
2121130

2124242

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2144454

2144462

2117341

2144665

2144489

2124226

2144500

2127566

2124277

2124285

2144420

Microcontroller Boards

★ Web Code: ARD

				Dimension	Pricing	
Part No.	Manufacturer	Mfr. Part No.	Description	(L" x W" x H")	1	5
2151259	ValuePro	BB-Arduino	Build an Arduino-compatible circuit, 19 components, assembly required, breadboard/PCB not included	—	**$14.95**	**$13.95**
2115768	Solarbotics	KARDW℟	Ardweeny microcontroller kit, Arduino-compatible, Atmega328, 7+ pieces, assembly/soldering req.	1.6 x 0.54	**13.95**	**13.25**
2144471	Arduino	A000011	Lilypad Arduino Main Board, ATmega328, 8MHz, 2-5V. For e-textiles. Wearable/washable	1.97"Dia.	**23.95**	**22.95**
2151486	Arduino	A000066	Uno Rev.3, Atmega328 (DIP), 14 digital I/O, 6 analog I/O, USB, ICSP, 32K flash	2.7 x 2.1	**29.95**	**27.95**
2151232	Arduino	A000049	Uno SMD Rev.2, Atmega328 (SMD), 14 digital I/O, 6 analog I/O, USB, ICSP, 32K flash	2.7 x 2.1	**29.95**	**27.95**
2143937	Secret Labs	Netduino Mini℟	Atmel 32bit MCU, 48MHz, ARM7, 512KB, 64K RAM, 16 GPIO, SPI, UART, uses .NET Micro framework, pin compat. w/ BASIC Stamp 2. Can use w/ breakout board (2144391 pg 176)	1.2 x 0.6	**29.95**	**28.49**
2121148	Arduino	A000005℟	Nano v3.0, Atmega328, 14 digital I/O (6 PWM), 8 analog in, USB mini-B, .7"x 1.7"	0.7 x 1.7	**38.95**	**36.95**
2124251	Secret Labs	NETDUINO℟	Netduino, Atmega 32-bit micro, 128KB flash, 14 digital I/O, 6 analog in, GPIO	2.8 x 2.1 x 0.5	**34.95**	**33.95**
2144403	DFRobot	DFR0004	Romeo, All-in-1 controller, Atmega328, Arduino compatible, 14 digital, 8 analog I/O,	3.54 x 3.15	**36.95**	**33.95**
2121113	Arduino	A000047℟	Mega2560, ATmega2560, 54 digital I/O (14 PWM), 16 analog in, 4 UART, shield compatible	4.3 x 2.1 x 0.6	**56.95**	**53.95**
2143929	Secret Labs	Netduino Plus℟	Atmel 32bit MCU, 48MHz, ARM7, 64KB, 20K RAM, 20 GPIO, 100Mbps, Micro SD storage slot upto 2GB	2.8 x 2.1	**59.95**	**57.49**
2121121	ValuePro	KIT-GSA℟	Getting Started kit w/ book, includes Arduino UNO, LEDs, switch, breadboard, no solder required	—	**74.95**	**69.95**

Continued on next page

★*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above*

Arduino Kits, Shields & Accessories (Continued)

Photos on previous page

★Web Code: ARD

Shields for Arduino (Arduino sold separately)

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2134969	Arduino	A000024	Prototyping shield PCB with multilayer design and header slots for soldering custom circuits. PCB only	2.7 x 2.1	**$4.49**	**$4.25**
2144534	DFRobot	DFR0060	Screw shield for Arduino. Convert header pins to more secure screw terminals	2.7 x 1 (x2)	**7.95**	**7.25**
2135048	Arduino	A000039	Arduino MEGA ProtoShield Bare PCB and components, includes bare PCB, headers, resistors, switches and LEDs	4.3 x 2.1	**14.49**	**13.95**
2124293	Nootropic Design	MKNTD1ℛ	EZ-Expander shield, 13 additional output pins, soldering required	1.2 x 2.1	**16.95**	**15.95**
2144411	DFRobot	DFR0009	LCD Shield, 16x2, HD44780 compatible, white text, blue backlight, uses LCD4Bit library	2.7 x 2.1	**17.95**	**16.95**
2124314	Adafruit	51ℛ	ProtoShield, 0.1" x 0.1" grid, DIP ICs up to 20-pins, upto 14-pin SOIC parts, ICSP header	2.7 x 2.1	**18.95**	**17.95**
2127582	Liquidware	DoubleWide	Replicates all of the Arduino pins into 2 locations, so you can add 2 shields while having access to both at the same time. Shields sit side by side.	2.7 x 4.2	**19.95**	**18.95**
2121130	Adafruit	81ℛ	MotorShield kit, control up to 4 DC motors, servos. 4 H-bridges, motors not included, soldering required	2.7 x 2.1	**19.95**	**18.95**
2124242	Arduino	A000056ℛ	Ethernet shield, RJ45 connector, customizable Mac® & PC, not-compatible with Arduino Mega	2.7 x 2.1	**42.95**	**39.95**
2143945	Excamera Labs	Gameduino	Game adapter for Arduino or anything w/ SPI. Plugs for VGA monitor and speakers. 512x512 pixel in 512 color	2.7 x 2.1	**54.95**	**52.95**
2128534	Robot Power	MEGAMOTO	High-power motor controller, 5-28V, 13A/30A peak, H-bridge or dual half-bridge	2.7 x 2.1 x 0.5	**59.95**	**56.95**
2136657	Rogue Robotics	AP-RMP-Hℛ	MP3 playback module w/ stackable headers. Arduino compatible, supports MMC/SD/SDHC upto 32GB	2.7 x 2.1	**64.95**	**61.95**
2134900	Arduino	A000002	BT Bluetooth Module, supports wireless serial communication, 14 digital I/O pins, 6 analog inputs	3.2 x 2.1	**139.95**	**132.95**
2127558	Liquidware	Touchshield Slide	320 x 240 resolution resistive OLED touch screen, ATmega2560, can store sixty 128 x 128 images	2.7 x 2.1 x 0.5	**179.95**	**169.95**

Accessories, Chassis and Miscellaneous Kits

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2137756	Arduino	A000040ℛ	Header kit for shields. (2) 1 x 6 pos & (2) 1 x 8 pos, 15mm pin length, 0.1" spacing	—	**$1.75**	**$1.59**
2144454	DFRobot	DFR0017	Relay module. Arduino Compatible. 150VAC/24VDC max switching voltage, 10A(NO) 5A(NC)	1.4 x 0.9 x 0.7	**9.95**	**8.95**
2144462	DFRobot	SEN0019	Adjustable infrared sensor switch. 3cm to 80cm. 5V@100mA. 3-wire connector	1.8"L x 0.7"Dia.	**10.95**	**9.95**
2134993	Arduino	A000032	830-contact breadboard with 70-piece jumper wire kit for easy prototyping	6.5 x 2.5	**13.95**	**12.95**
2134926	Arduino	A000009	Project Enclosure, ABS plastic, fits: Uno-Duemilanove-Diecimila-NG or MEGA, ethernet shield and battery	3.4 x 2.5 x 1.1	**13.95**	**13.25**
2117341	Solarbotics	50512ℛ	Basic breakout board, 3.3/5V, FTDI mini USB-B to serial 6-pin, works w/ Arduino & clone 5V Arduino boards can use as a USB port, FT232RL chip	1.4 x 0.65 x 0.25	**19.95**	**18.95**
2144665	PowerSwitch Tail	80135	Power cord switch, control outlet with microcontroller, 3-prong, 15A @ 125VAC, 5V control signal	4.0 x 2.1 x 1.5	**29.95**	**26.95**
2144489	ValuePro	2601510235340Z	Conductive sewing thread, size 92, 234/34 (4 ply), 50Ω/meter. Perfect for Lilypad (P/N 2144471)	225' reel	**29.95**	**28.49**
2144391	Synapse Solutions	NMB-1	Breakout board for Netduino Mini (P/N 2143937), 26-pin header holes, 3.3VDC regulator, USB Mini-B, RS232 & TTL to USB conversion, input for 9V	2.7 x 1.4	**34.95**	**32.95**
2124226	Spikenzielabs	MKSKL5ℛ	Povard Kit, “Persistence of Vision”, 8 bright LEDs, 24 char. msg., Arduino req. to program	8.0 x 1.25	**34.95**	**32.95**
2144500	DFRobot	DFR0018	Sensor set for Arduino. Includes big push button, LED light module, ambient light, capacitive touch, LM35 temperature, magnetic, vibration, tilt, and grayscale sensor.	—	**39.95**	**36.95**
2127566	Liquidware	HICAP Li Backpack	High capacity 2200mAh Lithium-Ion battery, rechargeable via Arduino USB and USB type-B mini cable. Supplies regulated 5V and 3.3V	2.7 x 2.1 x 0.5	**49.95**	**44.95**
2124277	DFRobot	ROB0005ℛ	Aluminum Mobile Platform, 2WD Arduino compatible, 2 x 3-6VDC motors, 27.6"/sec	6.7"Dia.	**57.95**	**55.95**
2124285	DFRobot	ROB0003ℛ	Aluminum Mobile Platform, 4WD Arduino compatible, 4 x 3-12VDC motors, 35"/sec	7.9 x 6.7 x 4.1	**69.95**	**64.95**
2144420	DFRobot	ROB0025	4WD mobile platform with encoder set. Aluminum alloy body. 4.5 - 6V operation. 26.7"/sec	9.0 x 7.3 x 4.3	**79.95**	**74.95**

DIY Workshop Kits

JAMECO ValuePro

Circuit Skills Web Supported Kits & Projects

Circuit Skills #2 - Enclosures

You may be a whiz putting electronic kits together, but how about protection? A good kit, especially one used on a regular basis, deserves a good enclosure to protect it from the elements, and we have many for you to choose from, see pg 156. The Jameco Workshop page has a video to give you plenty of pointers on using your first enclosure case. www.Jameco.com/enclosure

Part No.	Description	Price
2117202	Waveform generator and enclosure kit	**$64.95**

Circuit Skills #4 – SMD Experimenter

Soldering through-hole components may be fun, but most new chips are only available in SMT packages. They require less power, less real estate, but a good set of eyes, and seeing someone do it first might help too. Build a light-controlled oscillator with this kit of 1206 SMT components. www.Jameco.com/SMD

Part No.	Description	Price
2124197	SMT light controlled oscillator kit	**$29.95**

Circuit Skills #3 – Perfboard Prototyping

This kit includes all of the components to create a PWM effect for your guitar. Learn about the different kinds of perfboards available so you can transfer your breadboard project to a more permanent solution. This kit uses the “pad-per-hole” perfboard design for maximum flexibility. www.Jameco.com/perf

Part No.	Description	Price
2121092	PWM guitar effect kit	**$24.95**

Circuit Skills #5 – LED Color Organ

Want to add some color and synced visuals to your music? Create a 3 Channel Spectrum Analyzer with this cool kit. Watch the video, take some notes, build the kit, and enjoy the fruits of your labor.
The list of materials can be found on the Jameco web page for kit 2126272, but be sure to study the schematic and video before you begin. www.Jameco.com/organ

Part No.	Description	Price
2126272	LED color organ kit	**$39.95**

Additional Circuit Skills Lessons at www.Jameco.com. Keyword: Circuit Skills

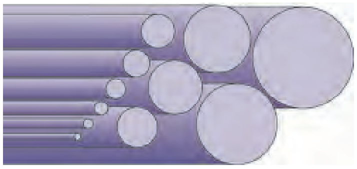
ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. *Details on page 180.*

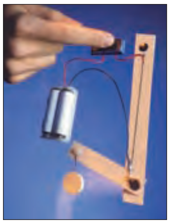
Muscle Wire Kits, Starter Kits & Compass Modules

MONDO•TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.





How it works…

Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

Includes: Instructions

★Web Code: WAU

Part No.	Mfr. P/N	Length (meter)	Wire Dia. (microns)	Linear Resistance (Ω/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing 1	5
357561	025HT	5	25	1770	20	2	7	—	**$29.95**	**$26.95**
357456	025LT	1	25	1770	20	2	7	—	**12.95**	**11.49**
357931	075LT	1	75	200	100	815	80	40	**9.95**	**8.95**
357595	100HT	1	100	150	180	28	150	43	**9.95**	**8.95**
141321	100LT	1	100	150	180	28	150	33	**9.95**	**8.95**
357472	100LT	5	100	150	180	28	150	33	**29.95**	**26.95**
141874	150LT	1	150	50	400	62	330	20	**9.95**	**8.95**
160055	375LT	1	375	8	2750	393	2000	4	**12.95**	**11.49**
357712	375HT	1	375	8	2750	393	2000	5	**12.95**	**11.49**

*Multiply by 0.0098 to get force in Newtons **Cycles per minute, in still air, at 20° Centigrade

liquidware

Compass Module

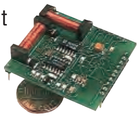
★Web Code: ARD

- 2-axis magneto-resistive sensor with analog and digital support circuits, MCU, and algorithms for heading computation
- Assembled with 4-pin male header
- Voltage supply range: 2.7-5.2V
- Heading resolution: 0.5°
- Heading accuracy: 2.5°
- I2C 2-wire serial interface
- 3 output modes: Standby, Query & Continuous

Part No.	Description	1	5
2127689	Honeywell HMC6352 chip	**$49.95**	**$47.95**

PNI

Vector 2X Compass Module



- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- 2° accuracy, 1° resolution
- 3-wire serial output format
- Raw uncalibrated magnetometer output optional
- Hard iron calibration
- 5Hz sampling rate
- Master or slave capability for data clock generation

Part No.	Description	1	5
126703	Compass module	**$24.95**	**$22.95**

MONDO•TRONICS

Shape Memory Alloy Kits, Book and Accessories

These unique metals are made from a combination of two or more elements that exhibit hardness and elasticity properties that change radically at distinct temperatures. SMAs can be formed into a shape and set to that shape by a high heat treatment. When cooled, they may be bent, stretched or deformed (within limits) and then with subsequent moderate heating, they can recover some or all of the deformation. Shape Memory Alloys have found use in everything from space missions to floral arrangement, to actuators for miniature robots, cell phone antennas, and even eyeglasses.

357641

357528

357798

357835/ 2132402

357843/ 2132411

Muscle Wire Kits

★Web Code: WAU

Part No.	Product No.	Description	1	5
357827	3-619	Solar Space Wings kit	**$23.95**	**21.95**
357659	3-141	Project Book Sample kit (20cm of 50μm flexinol wire; 40cm of 100μm and 150μm LT wire)	**32.95**	**29.95**
357641	3-136	Muscle Wire Super Sampler kit (20cm each of 037μm, 050μm, 100μm, 150μm, 250μm)	**35.95**	**32.49**
357528	3-102	Muscle Wire R & D kit (5 meters each of 0.050μm, 100μm LT wire; 1 meter each of 250μm Flexinol LT wire	**119.95**	**107.95**

Book

Part No.	Product No.	Description	1	5
141330	3-133	Muscle Wire Project Book, 3rd Edition	**$19.95**	**$17.95**

Wires and Springs

Part No.	Product No.	Description	1	5
357798	3-401	Nitinol SMA wire (1 meter L x 500μm Dia.)	**$16.95**	**$15.49**
2132402	3-642-1ℛ	Nitinol tension spring (1 pc.) 6.5mm OD x 26.5mm L x 750μm, black	**11.95**	**10.95**
2132411	3-657-1ℛ	Nitinol compression spring (1 pc.) 8mm OD x 36mm L x 950μm, black	**11.95**	**10.95**
357835	3-642	Nitinol tension springs (4pk.) 6.5mm OD x 26.5mm L x 750μm, black	**39.95**	**37.95**
357843	3-657	Nitinol compression springs (4pk.) 8mm OD x 36mm L x 950μm, black	**39.95**	**37.95**

Starter Kits

These kits include manuals, equipment, and sample projects to learn the fundamentals. Once you have the basics down, and your confidence up, challenge yourself with any one of the more advanced kits, or use your skills and create something completely new.

697338

282829

2007097

Microcontroller Starter Kits

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120ℛ	PICkit 2 starter kit, easy to use interface for programming 8/14/20-pin flash type PIC MCUs	**$79.95**	**$74.95**
282829	27207ℛ	BASIC Stamp 2 educational starter kit, includes text and parts to guide you through 40+ activities	**159.95**	**149.95**
2007097	32300ℛ	Propeller starter kit, step-by-step introduction to programming the robust multi-core Propeller MCU	**99.95**	**96.95**

See more Electronic and Starter Kits on pages 170-174, and more Microcontrollers on pages 7, 10

2099171

2113236

Test, Tools & Measurement

Part No.	Mfr. Part No.	Description	1	5
2099171	DMM Starterℛ	Everything you need to get started with electronics, see pg 132 for complete specifications	**$109.95**	**$99.95**
2113236	Test Lead Starter	Includes the most popular test leads for your testing applications, see pg 141 for complete specifications ...	**39.95**	**36.95**
2124200	FO-30Kℛ	Learn the fundamentals of fiber optics and transmit your voice or 1kHz signal through the 3' cable	**23.95**	**21.95**
2124218	AK-100ℛ	Learn to solder and assemble a flashing siren, teaches the basics of soldering, includes 25W iron	**18.95**	**17.95**

See more Tool Kits on pages 141 & 142

2124200

2124218

Edu & Hobby

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Solar Panels and Controllers

★Web Code: AEK

Solar Photovoltaic Arrays

- Full-size monocrystalline solar panels can be used to charge your batteries or power your project
- 3 different panels to suit your applications • Max. power voltage: 17.8V • Open-circuit voltage: 21.6V
- Panel frames are made from aluminum for lightweight quality • Maximum system voltage: 1000VDC
- Tested under Standard Test Conditions (STC – irradiance 1000W/m², AM 1.5 spectrum, cell temperature: 25˚C)

2128497

2128569

Part No.	Mfr. Part No.	Max Power (W)	Max Current (A)	Short-Circuit Curr. (A)	No. of Cells	Dimensions (L" x W" x H")	Wt. (lbs.)	1	5	25
2128497	PM-10S	10	1.35	1.48	6	14.9 x 12.4 x 1.3	5.29	**$58.95**	**$55.95**	**$53.49**
2128569	PM-25S	25	1.35	1.50	9	25.3 x 11.1 x 1.4	7.50	**129.95**	**123.49**	**116.95**
2128585	PM-65S	65	3.65	4.04	36	32.8 x 21.2 x 1.4	18.96	**279.95**	**267.49**	**254.95**

Power Mate Solar Charge Controller

- Works with both 12V and 24V solar photovoltaic systems
- Protections include: overcharge, overdischarge, reverse polarity, output short circuit, and solar panel short circuit
- LED indicators for mode function and setting button for changing modes
- Max. charging voltage: 14.7V for 12V systems, 29.4V for 24V systems
- Max. discharge voltage: 10.5V for 12V systems, 21V for 24V systems

P-DUKE

Part No.	Mfr. Part No.	Solar Panel Power (Max.)		Output Curr. Max. (A)	Wire Range (AWG)	Dimensions (L" x W" x H")	Pricing		
		12V System	24V System				1	10	25
2128606	PSC-A15	180W @ 18V	360W @ 36V	15	8-10	5.5 x 3.5 x 2.0	**$36.95**	**$32.95**	**$29.95**

Solar Panel Adapter Cables

- MC4 connection from the solar panels and wire connection to the charge controllers
- Length: 12" ±0.5"

2129191: For use with charge controllers, PSC-A5 & PSC-A10

2129203: For use with charge controllers, PSC-A15 & PSC-A20

Part No.	Mfr. Part No.	AWG	1	10	100
2129191	PCA-A0104A	12-14 ..	**$15.95**	**$14.95**	**$13.95**
2129203	PCA-0104B	8-10	**15.95**	**14.95**	**13.95**

PowerFilm.

Foldable & Rollable Solar Chargers

★Web Code: FSC

Ultra Compact, Ultra Lightweight, Easy-to-Use

PowerFilm develops and manufactures thin, flexible solar panels based on a proprietary low cost, high quality production process. PowerFilm encompasses the consumer part of today's solar markets and are used for recharging consumer electronics, such as laptops, cell phones, GPS, and mp3 players.

2114474/2114482: Charge batteries, cell & satellite phone, laptop, etc. Lightweight and portable (foldable)

2114491/2114503: Thin film on plastic, truly rollable, and does not suffer from wasted over-voltage (rollable)

2108621: Charges 2 AA batteries (folds up compactly to fit into pocket) **2097133:** Charges 2 AA rechargeable batteries and most small USB devices (folds up compactly to fit into pocket)

2097133

Part No.	Mfr. Part No.	Description	Operating Volt. @ Curr.	Charging Volt.	Folded/Unfolded Dimesions (in.)	1	5
2108621	AA Charger	Solar, foldable charger	3.6V @ 0.6A	—	5.5 x 3.3 x 1.4 / 5.5 x 31.5	**$69.95**	**$66.95**
2097133	USB + AA Charger	USB + AA charger	3.6V @ 0.4A	5V	3.25 x 5.5 x 1.38 / 24 x 5.5	**74.95**	**70.95**
2114474	F15-300N*R*	Solar, foldable charger, 5W	15.4V @ 0.3A	12V	10.3 x 3.3 / 24.5 x 10.3	**79.95**	**74.95**
2114491	R15-300*R*	Solar, rollable charger, 5W	15.4V @ 0.3A	12V	11.5 x 4 x 3.7 / 11.5 x 21	**129.95**	**123.95**
2114482	F15-600*R*	Solar, foldable charger, 10W	15.4V @ 0.6A	12V	10.5 x 3.5 / 23.7 x 21	**199.95**	**189.95**
2114503	R15-600*R*	Solar, rollable charger, 10W	15.4V @ 0.6A	12V	11.5 x 4.25 / 11.5 x 38	**199.95**	**189.95**

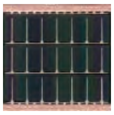
2114503

PowerFilm.

Flexible Thin Film Solar Modules

★Web Code: AEK

Wireless Electronics Series The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. This module is lightweight, paper thin and durable.



228013

Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	**$3.95**	**$3.49**	**$3.15**
227993	TX3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	**3.95**	**3.49**	**3.15**
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	**5.95**	**5.35**	**4.79**
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	**8.49**	**7.95**	**7.49**
228030	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	**5.95**	**5.35**	**4.79**
228056	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	**16.95**	**15.95**	**14.95**
228064	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	**12.95**	**10.95**	**9.95**
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	**19.95**	**17.95**	**15.95**
228099	MP7.2-150	7.2	200	10 x 5.9 x .02	253 x 150 x 0.6	**39.95**	**35.95**	**31.95**
228101	MPT15-75	15.4	50	10 x 3.0 x .02	253 x 75 x 0.6	**19.95**	**17.95**	**15.95**
228110	MPT15-150	15.4	100	10 x 5.9 x .02	253 x 150 x 0.6	**39.95**	**35.95**	**31.95**

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.

228161

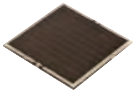
Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	**$34.95**	**$31.49**	**$28.25**
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	**54.95**	**49.45**	**44.49**
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	**99.95**	**89.95**	**79.95**

60mm Solar Panel

★Web Code: AEK

- Clear coat plastic
- Power output: 0.25W max.
- Volt. output: 4.7VDC to 5VDC
- Size: 2.36"L x 2.36"W x 0.1"Thick
- Material: copper indium diselenide

Photovoltaic Mini Module



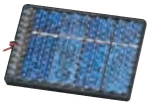
Part No.	Description	1	5	25
1928142	Solar panel	**$7.95**	**$6.95**	**$6.25**

Mini-Panel Solar Cells

★Web Code: AEK

Ready to Use! No Soldering

Mini-panels are secured in plastic body with a prismatic cover to help capture all available light. 6" red/black wires attached.



200221

2113666: Solar Cell Grab Bag

- Contains fragile cells of various sizes w/ 0.5V output
- No leads attached and require soldering

2113666

Part No.	Cross Ref.	VDC @ mA	Size (L x W)	1	5
200221	SOL4	2.0 @ 200	3.0" x 3.7"	**$10.95**	**$9.95**
215319	4-3.0-100	3.0 @ 100	3.8" x 2.5" ..	**12.95**	**11.95**
215327	4-6.0-50	6.0 @ 50	3.8" x 2.5" ..	**14.95**	**13.49**
2113666	SC-GRAB	Solar cell grab bag .... (min. 40pcs/bag, sizes vary)		**7.95**	**6.95**

R RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

785nm AlGaAs Laser Diode

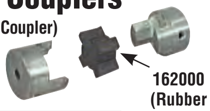
- Typical application: optical LAN (fiber channel)
- Voltage and current: 1.9V (typical) @ 45mA
- Monitor current:
  0.2mA (3mW, 15VR(PIN))
- Power: 5mW
- Parallel divergence angle: 15˚
- Perpendicular divergence angle: 45˚
- Peak wavelength: 785nm (typical)

Part No.	Product No.	1	5	25
2135398	RLD-78PIT	$9.95	$8.95	$7.95

★Lasers Online — Enter Web Code LAZ

JAMECO ReliaPro

Spider Couplers



- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually

★Web Code: EBE

Part No.	Description	1	10	100
162288	.125" (3.18 mm) ID hub	$1.49	$1.35	$1.19
161998	.197" (5.00 mm) ID hub	1.49	1.35	1.19
162270	.250" (6.35 mm) ID hub	1.49	1.35	1.19
162000	Rubber spider	1.55	1.39	1.25

alpec

DIY Red Laser Pointer Kit

Easy to assemble Do-It-Yourself red laser pointer is ideal for both indoors and outdoors. Light weight and ergonomically designed.

Class IIIa Laser Product

- Range: 1500' • Color: matte black
- Material: ABS plastic
- Output power: 5mW
- Size: 4.5"L 0.5"W • 635nm

NEW MARKED IN PINK

Includes: 2 AAA batteries

Part No.	Mfr. Part No.	1	5	25
2146353	4021	$19.95	$18.95	$17.95

10-Piece Gear Assortment

- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter
- T10, T20, T30, T40, T50 and bushing

Part No.	Description	1	5	25
1810072	Gear set – 10 pieces	$7.95	$6.95	$6.25

★Gears Online — Enter Web Code PEF

★Thrust Bearings Online — Enter Web Code THW

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working dis.: over 50m (daylight), 200m (dark)
- Size: 0.9"L x 0.3"Dia • One-year warranty

Class IIIa Laser Product

Part No.	Description	1	5
310519	Laser module, brass	$44.95	$39.95

650nm Laser Diode

- **182932**: Output power - 5mW max.; operating volt. & current: 2.6V max @ 30mA; wavelength - 650nm (typ); beam divergence - 11° from center
- **2120428**: Output power - 5mW min.; oper. volt. & current: 2.6V max @ 70mA; wavelength - 650nm (typ); beam divergence - 8° from center

Class IIIa Laser Product

Part No.	Product No.	1	5	25
182932	ULD-6556	$14.95	$13.45	$11.95
2120428	LTLD505T	6.95	6.25	5.49

alpec

532nm Green Laser Pointer

Class IIIa Laser Product

Uses a wavelength closely matched to the highest sensitivity of the human eye and built w/ cutting-edge crystal technology. Projects a green beam so powerful you can see it against a clear night sky.

- Output wavelength: 532nm • Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
223731	5608	5.6 x 0.5	$89.95	$84.95

alpec

670nm Red Laser Pointer Pen

Includes: 2 AAA batteries

- Range up to 500 yards
- 670nm output wave length
- Plastic gift box • <5mW

Class IIIa Laser Product

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
153605	4012	5.2 x 0.4	$21.95	$19.75

CLIMAX METAL PRODUCTS COMPANY

Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD

★Web Code: EBE

Part No.	Description	1	5	25
138288	.250" ID sleeve coupler	$5.95	$5.35	$4.79

ROBOT ZONE Inventing the parts for your ideas

Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

157104

168284

168284 Includes:
1 each of the following: 10 teeth with $\frac{3}{32}$" bore size; 14 and 16 teeth with $\frac{1}{8}$" bore, 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with $\frac{1}{4}$" bore size

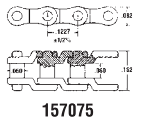
Part No.	Description	1	5	25
157104	1/4" bore aluminum mounting hub with set screws	$7.95	$6.95	$6.25
168284	Gear set - 12 pieces (see description above)	39.95	34.95	31.95

ROBOT ZONE Inventing the parts for your ideas

16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

157075



157075

168276

168276: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with $\frac{1}{8}$" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with $\frac{1}{4}$" bore size

Part No.	Description	1	5	25
157075	Drive chain (12" long)	$10.95	$9.95	$8.95
168276	Sprocket set - 14 pieces (see description above)	29.95	26.95	23.95

650nm Line and Dot Laser Diodes

★Web Code: LAZ

JAMECO ValuePro

Class IIIa Laser Product

143845/173243:

- Focus adjustable with locking set screw
- Wattage: 5mW
- Oper. volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

173243

143845: Line laser module

- Laser line width: 1mm • Laser fan angle: 60˚

173243: Cross hair laser diode module

- Laser fan angle: 60˚ • Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837: Module regulated power supply

- Output: 5VDC @ 100mA
- Short-circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.

143853

143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

Part No.	Description	1	5
143845	Line laser diode module	$129.95	$119.95
173243	Cross hair laser diode mod	124.95	118.95
143837	Regulated power supply	19.95	17.95
143853	Laser diode module mount	59.95	53.95

JAMECO ReliaPro

5-Speed Variable Fan Control Kit

- LCD graphic display • Open-frame power supply
- **Kit includes:**
  12VDC fan (P/N 2099972, pg 100), 12VDC @ 5.25A open frame power supply (P/N 2099981, pg 117), membrane switch, power cable assembly, LCD display module and mounting brackets

LCD Graphic Display Module:

- On-board MC68HC90LJ12 Microcontroller
- Input voltage: 12VDC
- On/Off switch, fan speed control switch (1-5 speed), LED power indicator
- Graphic LCD digit height: 0.58"
- Optional second fan connector
- LCD module size: 4.8"W x 1.9"H

Part No.	Description	1	10
2100144	Fan kit	$19.95	$17.95

COHERENT

Safety Glasses

Disposable protective glasses are lightweight and comfortable. Designed to give maximum peripheral vision without distortion. Feature brow and solid side shields for splash protection.

NEW MARKED IN PINK

- Can be worn over regular glasses
- Solid side shields
- Color: dark grey
- Size: 6.1"W x 2.5"H x 5.5"D

Part No.	Mfr. Part No.	1	12	72
2133691	3303-0331	$3.95	$3.49	$2.95

Ordering Information

PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us for obtaining open account status.

C.O.D.

Personal checks are accepted. Please add $11.00 per C.O.D. order. Include the name and address of your bank and your account number.

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All foreign orders must be prepaid with a credit card (see approved credit cards above), wire transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment. E-mail: International@Jameco.com.

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CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday through Friday 6:00 am – 5:00 pm PST or via e-mail:

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- Customer Service (Custservice@Jameco.com)
- Credit Department (Credit@Jameco.com)
- Technical Support (Tech@Jameco.com)
(Monday – Friday, 8:00 am – 5:00 pm PST)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

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Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

Minimum Order

A $5.00 processing fee will be added to telephone orders below $25.00 and web orders less than $10. All international orders below $40.00 will incur a $7.50 processing fee.

Order-Cancellation & Rescheduling

All cancellations and rescheduling are subject to the final approval of Jameco Electronics. visit us at www.Jameco.com/cancelling-rescheduling.

SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error and parts that are returned over 30 days are subject to a restocking fee. Call our customer service department at 1-800-536-4316 or visit www.Jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted, and no freight collect packages will be accepted. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days (One year for Jameco ValuePro, ReliaPro & BenchPro products) from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

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Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

RoHS COMPLIANCE

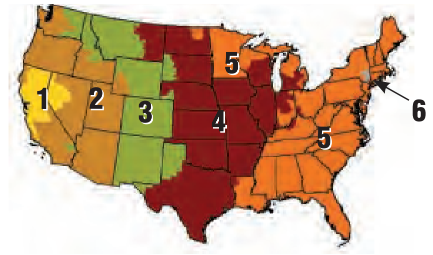
Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status. Products are coded with the following symbols throughout the catalog:

℟ RoHS compliant product
+ Available in both RoHS and non-RoHS

PRICES

Prices are effective May 7, 2012. In the unlikely event that you find a lower published price for products that are in stock from one of our competitors simply call us and we'll beat that price by 10% all the way down to our cost. Prices and discounts are subject to change without notice. Jameco is pleased to occasionally offer promotional discounts to our customers, but these are to be applied to published pricing for stocked products and may not be combined with other discounts nor can they be applied to special or scheduled orders. Occasionally we make a typographical error and unfortunately we cannot honor erroneous prices. Photos in the catalog are representative but many products may vary in appearance.

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)
① day ② ③ ④ ⑤ ⑥ days

Orders placed on business days by 6pm Eastern Time will be shipped the same day. Orders placed on weekends and holidays will ship the following business day FOB California. Orders placed online for drop ship items may require an additional two business days to ship. Orders requiring special credit approval and orders for backordered products will require additional time to ship.

Options and Rates

Jameco offers shipping options with UPS, FedEx and USPS. Jameco offers the following shipping option:

UPS/FedEx Ground Shipping
UPS/FedEx 3-day Shipping
UPS/FedEx 2-day Shipping
UPS/FedEx Overnight AM
UPS/FedEx Overnight PM
USPS Delivery

Jameco offers its business customers the option of shipping on the customers' shipping account. Customers with orders that will likely be above 50 pounds should call Jameco to review other carrier options. For a complete list of shipping charges by carrier, service and weight visit the web address: www.Jameco.com/shippingrates

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Jameco's requires that international orders be pre-paid using a credit card or a wire transfer. There is a $15 charge to accept a wire transfer. International shipping rates are not currently published online. For orders place online, Jameco will select the lowest price option and as long as the cost is less than 25% of the total order it will be automatically released. In the event it is more than 25% we will contact the customer with the shipping options. For customers who would like to select a specific carrier or an estimate of pricing before placing an order, call us at 1-650-592-8097.

Product Index

Featured Products

Vibrating Motors

★ Web Code: NBC

These motors are perfect for a variety of applications from cellphones to robotics.

See pages 91-96 for complete selection of Motors

Part No.	Mfr. Part No.	Ratings (VDC @ mA)	Input Voltage Range (VDC)	RPM	Motor Size (Dia." x Depth")	Shaft Size (Dia." x Length")	Pricing 1	10	100
175062	OTL-7AL(1.3V)	1.3 @ 62	0.70-1.60	7000	0.28 x 0.67	0.10 x 0.18	$3.95	$3.49	$2.95
175396	OTL-4AL	1.3 @ 65	0.70-1.60	8500	0.16 x 0.55	0.15 x 0.23	3.95	3.49	2.95
256322	6ZK211ℛ	1.3 @ 80	0.80-1.60	8500	0.27 x 0.48	0.11 x 0.11	2.75	2.49	2.25
256306	6ZK003ℛ	1.3 @ 80	0.85-1.60	8500	0.23 x 0.39	0.10 x 0.10	2.95	2.65	2.25
2150731	Z4KL2A0030001ℛ	1.3 @ 80	1.10-1.60	8500	0.16 x 0.43	0.12 x 0.14	2.49	2.25	1.95
256365	7ZK692ℛ	3.0 @ 60	2.40-3.00	6500	0.28 x 0.66	0.18 x 0.22	3.95	3.49	2.95
256382	7ZK681ℛ	3.0 @ 60	2.40-3.60	7500	0.28 x 0.66	0.12 x 0.16	3.95	3.49	2.95
256314	6ZK053ℛ	3.0 @ 75	1.60-3.60	8500	0.23 x 0.39	0.10 x 0.10	3.25	2.95	2.65
256331	6ZK261ℛ	3.0 @ 75	2.40-3.00	8500	0.27 x 0.48	0.11 x 0.11	3.25	2.95	2.65

175062

2150731

256322

DC and AC Tubeaxial Fans

Selecting the correct fan for your electronics is simple. Check out the wide selection of both AC and DC fans for your cooling needs.

1951414

189861

2125931

See the entire line of Fans on pages 97-102

Part No.	Manufacturer	Mfr. Part No.	Voltage	Size (mm) (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (W)	Agency Approvals	Noise (dBA)	Connection	Pricing 1	10	50	100
1951414	Delta	AFB0605HD	5VDC	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	Two 12" leads	$7.95	$6.95	$5.95	$4.95
139601	Adda	AD0512HS-D71	12VDC	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	Two 5" leads	5.95	5.39	4.79	4.29
94626	Sunonℛ	KD1212PMB1-6A.GN	12VDC	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	Two 12" leads	10.95	9.95	8.95	7.95
189861	Jamiconℛ	JF0625B2M-005-065R	24VDC	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	Two 10" leads	8.95	7.95	6.95	6.25
2125931	Common Wealthℛ	FP-108-1.	115VAC	120 x 120 x 38	112	Ball	250	19	UL/CUL/TUV/CE	45	Terminals	11.95	10.95	9.95	8.95

Regulated AC/DC Switching Power Supplies

NEW MARKED IN PINK

Charging your devices with these power supplies is the most economical and convenient option for the home or when you're on the go.

More Table-Top Power Supplies & Wall Adapters on pages 103-111

2145078

2145166

Part No.	Manufacturer	Mfr. Part No.	Description	Output Voltage @ Max. Current	Pricing 1	10	100
2138880	XP Powerℛ	AEH45UM23	42-watt dual-output table-top, input: 90-264VAC @ 47-63Hz, efficiency up to 80%, 5-pin DIN plug, overload/voltage protection, DC cord length: 6 feet, AC cord not included (recommend P/N 38050, pg 116)	5V @ 5A; 12V @ 2A	$24.95	$22.95	$19.95
2145166	ReliaProℛ	LS-PAB90AL	90-watt ultra-slim table-top with LCD screen, input: 100-240VAC @50-60Hz, USB output, includes 8 interchangeable right-angle output plugs, AC cord included	5-24V @ 6A	49.95	44.95	39.95
2145078	ReliaProℛ	MGT-6500SPS	3-watt wall adapter, universal input: 90-264VAC @ 47-63-Hz, typical efficiency: 64%, 2.1mm female plug, short-circuit & overcurrent/voltage protection	6V @ 0.5A	10.95	9.95	8.95
2150758	ReliaProℛ	MGT-12500SPS	6-watt wall adapter, universal input: 90-264VAC @ 50-60Hz, typical efficiency: 60%, 2.1mm female plug, short-circuit protection, UL certified	12V @ 0.5A	10.95	9.95	8.95
2150993	DVE	DSA-0151D-12	18-watt table-top, input: 100-240VAC @ 50-60Hz, 2.1mm female plug, overload & short circuit protection, AC cord not included (recommend P/N 38050, pg 116)	12V @ 0.5A	14.95	13.49	11.95
2126117	ReliaProℛ	A1-36S18R-V	40-watt table-top, input: 100-240VAC @ 50-60Hz, 2.1mm female plug, DC cord length: 4 feet, AC cord not included (recommend P/N 38050, pg 116)	18V @ 2.2A	24.95	22.49	19.95

Low Profile LEDs

See page 27 for more Low Profile LEDs

- Dual connection design allows for mounting several together
- Solid line of linear illumination
- Mount on heat sink for optimal heat dissipation
- Easy screw installation
- Current: 350mA

NEW MARKED IN PINK

2153174

Part No.	Mfr. Part No.	Color	Vf (typ.)	Lumens	Size (L" x W")	1	5	25
2153166	ZLP-42-5CWℛ	Cool white	3.4V	100	1.6 x 0.4	$7.95	$7.49	$6.95
2153174	ZLP-90-12WWℛ	Warm white	10.2V	230	3.4 x 0.5	18.95	16.95	15.49

12-24V LED Dimmer

NEW MARKED IN PINK

Control the brightness of single channel constant voltage LED devices and fixtures operating at 12-24VDC. Dim from 100% full brightness to 20% brightness without flickering. Good for display cases, architectural and cove lighting applications.

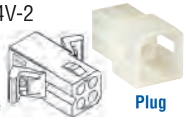
- 8 amps maximum load

Complete selection of LEDs on pages 21-28

Part No.	Mfr. Part No.	Operation Temp.	Size (L" x W")	1	5
2153140	ZDM-01	0˚F – 140˚F	2 x 3	$14.95	$13.95

Free-Hanging Mating Power Connectors

- Housing material: nylon; UL94V-2
- Temp. range: -40˚C to +105˚C
- Curr. rating: 5A (P/N 224071 & P/N 224143 rated at 14A)



✳ Order in multiples of 10

.062" (1.57mm)

Part No.	Type	Circuits	1	10	100
224485	Plugℛ	2	✳	$.19	$.15
224400	Receptacleℛ	2	✳	.15	.12
224514	Plugℛ	4	.39	.35	.29
224434	Receptacleℛ	4	.39	.35	.25

.093" (2.36mm)

Part No.	Type	Circuits	1	10	100
224071	Plugℛ	2	$.25	$.22	$.15
224143	Receptacleℛ	2	.25	.22	.15

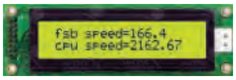
More Power Connectors on pages 61 & 62

ℛ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. *Details on page 180.*

Liquid Crystal and Thin-Film Transistor Displays

For more Displays, see pages 32 & 33

New screen display technology is constantly evolving to satisfy the customer's needs. These new displays by Matrix Orbital offer something for everyone from the budget-conscience to the top-of-the-line seekers.



2152930

2152956

2152972

2152964

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	Background/Text Color	1	5
2152930	MOS-AL202C-YXℛ	20 character x 2 line LCD with RS232 interface and 3 general purpose outputs (GPOs)	Yellow-Green/Black	$39.95	$37.95
2152948	LK204-7T-1UTCIℛ	20 character x 4 line serial LCD with RS232 interface, 6 GPOs, and 7-key tactile keypad	Tri-Color/Black	74.95	69.95
2152956	GLK19264-7T-1U-FGWℛ	192 x 64 pixel LCD with RS232 interface, 6 GPOs, 3 status LEDs, and 7-key tactile keypad	Grey-White/Grey	84.95	79.95
2152972	GLT24064R-1U-USB-TCIℛ	240 x 64 pixel LCD touchscreen with USB interface, 256kB onboard memory, and 6 GPOs	Black/Tri-color	179.95	169.95
2152964	GTT480272Aℛ	480 x 272 pixel TFT touchscreen with 16-bit color, 1GB onboard memory, and RS232 interface	16-bit color	239.95	219.95

Arduino Uno Microcontroller Board and Header kit

★Web Code: ARD

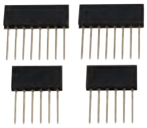
The R2 & R3 revisions to the Uno microcontroller maintain its 14 digital I/Os, 6 analog input pins, ATmega328 microcontroller chip and memory storage, but extra features have been added along the way. Check out the new revisions with stronger reset circuitry and stay up-to-date. For more Arduino Microcontrollers and kits visit www.Jameco.com.

More Arduino Microcontrollers on page 175

NEW MARKED IN PINK

2151232

2151486


2137756

Part No.	Mfr. Part No.	Description	1	5
2151232	A000049ℛ	Uno R2, SMD edition, ATmega8U2 USB-to-serial converter with customizable DFU bootloader, stronger reset button	$29.95	$27.95
2151486	A000066ℛ	Uno R3, DIP edition, ATmega16U2 USB-to-serial converter, stronger reset button relocated	29.95	27.95
2137756	A000040ℛ	Pass-through single row headers for Arduino shield customization, 15mm long leads (two 8-pin, two 6-pin)	1.75	1.59

Apple USB Chargers and Cable

NEW MARKED IN PINK

New ultra-compact design, these power adapters offer fast, efficient charging at home, the office, or on the go. Compatible with all iPhones and iPods.

- Input: 100-240VAC @ 50/60Hz
- Output voltage: 5VDC @ 1A
- Charger size: 1.0"L x 1.0"W x 1.1"D

2151056

2151048

For Computer Cables & Adapters, see pages 163 & 164

Part No.	Mfr. Part No.	Description	1	5
2151030	A1265-KITℛ	USB charger and data cable kit	$19.95	$17.95
2151048	A1265ℛ	USB charger	14.95	13.49
2151056	MA591GBℛ	Data cable (3 ft. long)	5.95	5.25

Grey Safety Glasses

NEW MARKED IN PINK

Disposable protective glasses are lightweight and comfortable. Designed to give maximum peripheral vision without distortion. Brow and solid side shields protect from splash. Can be worn over regular glasses.

- Solid side shields • Dark grey • Size: 6.1"W x 2.5"H x 5.5"D

Part No.	Mfr. Part No.	Description	1	12	72
2133691	3303-0331	Grey safety glasses	$3.95	$3.49	$2.95

JAMECO BenchPro

Digital Display Calipers

Get precise measurements everytime with these digital calipers. Switch between inches and millimeters easily with the push of a button.

- Made of hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Slide enclosure for 1.5V silver oxide button cell battery

Includes: Fitted case, 1.5V silver oxide battery and operating instructions

See page 145 for more Calipers

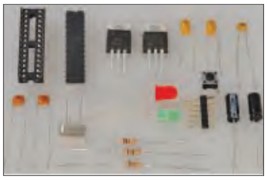
Part No.	Description	1	5	25
127482	6-inch long caliper	$39.95	$36.95	$33.95
2153545	8-inch long caliper	45.95	42.95	39.95

JAMECO ValuePro

Minimalist Arduino Circuit Kit

Build your own Arduino microcontroller board the way you want it! The components are identical to an actual Arduino board and they provide the same functionality, but at a fraction of the price.

- Step-by-step directions available at www.Jameco.com
- Programming requires FTDI basic breakout: P/N 2117341 on page 176



NEW MARKED IN PINK

Breadboards and protoboards on pages 154-160

Part No.	Mfr. Part No.	1	5	25
2151259	BB-ARDUINO	$14.95	$13.95	$12.95

FLUKE.

Digital Multimeters

When it comes to taking measurements, getting precise values is the most important feature. You can always be sure that your measurements will be accurate and reliable every time with these versatile Fluke meters.

1537328

192655

2113471

- 6000 count display
- True RMS
- Measures up to 10A continuously
- Also measures resistance, frequency and capacitance with continuity and diode test features • CAT III 600V safety rated

Includes: Holster, test probes and 9V battery

More Meters on pages 132-135

Part No.	Mfr. Part No.	Description	Price
1537328	FLUKE-115/2538790	600V range, large white LED backlight	$167.95
1537336	FLUKE-117/2538815	600V range, large white LED backlight	205.95
192655	FLUKE-175	1000V range, also CAT IV 1000V rated	259.95
185535	179	1000V range, temp. measurement, CAT IV	280.95
2113471	FLUKE-87-5	1000V range, built-in thermometer, CAT IV	399.95

★For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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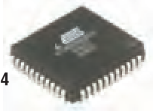
Atmel MCU and EPROM Semiconductors

★ *Microcontrollers — Web Code PAV*

★ *OTP/PROMs — Web Code WAG*

Atmel provides an industry leading combination of performance, power efficiency, and design flexibility with optimized architectures for low power, high-speed connectivity, optimal data bandwidth, and rich interface support.

Semiconductors on pages 3-20


PLCC-44

PDIP-40

Part No.	Mfr. Part No.	Package	Description	1	10	100
220871	AT89S52-24JU	PLCC-44	8-BIT MCU with 8kB ISP Flash, 256x8-bit internal RAM, full duplex UART serial channel	**$1.95**	**$1.75**	**$1.49**
662637	AT89S52-24PUℛ	PDIP-40	8-BIT MCU with 8kB ISP Flash, 256x8-bit internal RAM, 0-33MHz, 32 programmable I/Os	**1.95**	**1.75**	**1.55**
394986	AT27C256R-45PUℛ	PDIP-28	256k (32kx8) OTP EPROM, low-power CMOS 5V operation, 100µs/byte programming	**1.95**	**1.75**	**1.49**
395081	AT27C512R-70PUℛ	PDIP-28	512k (64kx8) OTP EPROM, low-power CMOS 5V operation, 100µs/byte programming	**2.25**	**1.95**	**1.75**
765302	ATTINY13-20PUℛ	PDIP-8	8-bit AVR MCU with 1kB ISP Flash, 64 bytes internal SRAM, 6 programmable I/Os	**2.25**	**2.05**	**1.85**
204089	AT89C4051-24PC	PDIP-20	8-bit MCU with 4kB Flash, 128x8-bit internal RAM, 2.7V-6V, direct LED drive outputs	**2.45**	**2.15**	**1.75**
689039	ATTINY2313V-10PUℛ	PDIP-20	8-bit AVR MCU with 2kB ISP Flash, 128 bytes internal SRAM, 18 programmable I/Os	**2.49**	**2.25**	**2.09**
168920	AT89C52-24PI	PDIP-40	8-bit MCU with 8kB ISP Flash, 256x8-bit internal RAM, 0-24MHz, 32 programmable I/Os	**2.95**	**2.49**	**1.95**
394708	AT27C010-70PUℛ	PDIP-32	1M (12kx8) OTP EPROM, low-power CMOS 5V operation, 100µs/byte programming	**2.95**	**2.75**	**2.49**
2139111	ATMEGA328P-PUℛ	PDIP-28	8-bit AVR MCU with 32kB ISP Flash, 20MHz, six PWM channels, 23 programmable I/Os	**4.95**	**4.49**	**4.09**

Contact Information

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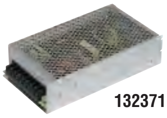
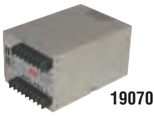
Regulated AC-to-DC Switching Enclosed Power Supplies

★ *Web Code: EPS*

Jameco carries a large selection of high efficiency and green design Mean Well products from single-output to quad-output for all your power supply needs. Find your needed configuration of reliable power with the full line at www.Jameco.com, and use web code: EPS.

Complete Selection of Enclosed Power Supplies on pages 119-123


132371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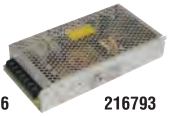
216793

Part No.	Mfr. Part No.	Voltage @ Current (min-max)	Power	Size (L"xW"xH")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 5	Pricing 25
132371	Q-120Dℛ	+5V @ 2-8A; +12V @ 0.2-2A +24V @ 0.2-2A; -12V @ 0.2-1A	124W	7.0x3.9x2.0	80	0.5	0.5	UL/CUL/TUV/CE/CB	**$54.95**	**$44.95**	**$38.95**
323839	RS-150-12ℛ	+12V @ 0-12.5A	150W	7.8x3.9x1.5	120	0.5	0.5	UL/CUL/TUV/CE/CB	**31.95**	**28.49**	**26.49**
173421	SP-150-12ℛ	+12V @ 0-12.5A	150W	7.0x3.9x2.0	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	**56.95**	**49.95**	**44.95**
323732	RS-100-24ℛ	+24V @ 0-4.5A	108W	6.3x3.8x1.5	120	0.5	0.5	UL/CUL/TUV/CE/CB	**39.95**	**32.95**	**26.95**
190706	SP-500-27ℛ	+27V @ 0-18A	486W	6.7x4.7x3.7	200	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	**169.95**	**149.95**	**129.95**
216793	S-100F-48ℛ	+48V @ 0-2.2A	106W	7.8x3.9x1.5	150	0.5	0.5	UL/TUV/CE/CB	**32.95**	**26.95**	**23.95**

*Primary Output